

products and
technologies for
wall protection
and decoration

rialto

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rialto is a division of **HARPO spa**, based in Trieste, a beautiful city on northern Italy spread out along its great gulf, full of eighteenth and nineteenth century architecture, to which rialto has given its contribution in restoration and preservation. The company was originally established in 1962 when a joint-venture agreement with Portland Cement of London was set up. It operates in Italy and in many overseas countries in Europe, Middle East, Japan and USA. Its structure and working methods have helped to keep the quality of the company on a human scale; it is rich in culture which makes its research and development stronger and lively. Art, architecture, craft and nature itself are used as fields of research by a team of creative people and technicians who are engaged in the Technical and Color Laboratory in Trieste. They welcome suggestions and challenging requests from both customers and work-groups. The product offer consists of finishing and complementary products, in either standard or special version, which are characterized by a high level of quality and efficiency, rialto deals through trained and qualified distributors. In fact, the company has skilled applicators who dedicate their time to the training of high level craftsmen and artists.

Preservation and protection of the world's architectural heritage

Conservation and preservation mean to ensure the transfer of the knowledge and the values of these works of art to the next generations, preserving the original characteristics wanted by the artists. Only through awareness of the need for preservation can this effort receive the deserved attention in this modern society. Every single restoration job undertaken by the Italian authorities is a result of series of analysis of the substrates: from the diagnostic tests to determine the reasons of the degradation of the initial construction materials to the learning of the original building technologies and procedures. Specific solutions that can restore the building and preserve it in the future can be elaborated only after detailed examinations. This applies to the consolidation of foundations, to the defense against rising damp and to the compatibility with original decoration of the facades, mostly painted with delicate and vibrant lime colors. **rialto** lime products are used in Italy in different applications on restoration projects. To mention some of the most recognized: Reinforcement of old mortars with injections of Grassello di Calce and Cocciopesto in some areas of the Colosseum in Rome. Decoration with lime plasters in the Palazzo Boncompagni Ludovisi (now Fendi Palace in Rome) in the Quirinale palace (seat of presidency of the Italian Republic) and in the seat of Banca d'Italia (Bank of Italy in Rome). In the northern area we can find some lime **rialto** plasters in the Castello Sforzesco in Milan, and some **rialto** lime stuccos in the Ca' d'Oro Palace over the Canal Grande, in Palazzo Grassi and Palazzo Manfrin in Venice. Less famous but not less interesting is the multitude of small historical centers like Matera (Sassi di Matera, recognized and protected by UNESCO), Palermo, Napoli and Catanzaro, where local authorities approved **rialto** lime finishes for restoration of civic museums and palaces of historical interest. The **rialto division** of **HARPO spa** can provide technical solutions and support to architects and organizations involved in this fascinating activity worldwide. The know-how developed in decades of experience in this field can be shared with professionals who want to operate both in restoration and creation of structures in full respect of nature and environment.

INFORMATION AND CUSTOMER SERVICE

Sales of products is not the only service that **rialto** can give. In fact, we can offer the necessary technical assistance at any stage of the work, in order to help customers achieve the best result from rialto products.

This tech sheets collection has been prepared to provide answers to the most frequent questions, if you can't find a proper solution to your specific problem contact our sales and technical dept at rialto@rialto-colors.com

Every care has been taken to ensure that the information provided in this document is accurate. **rialto** is unable to guarantee results, as it has no control over the conditions under which the products are applied.

The Quality Management System of HARPO spa meets the requirements of UNI EN ISO 9001:2000.

DISTRIBUTION

rialto products are sold in many overseas countries through exclusive and skilled distributors. Kindly contact **rialto** headquarter directly in order to get the name of your nearest distributor.

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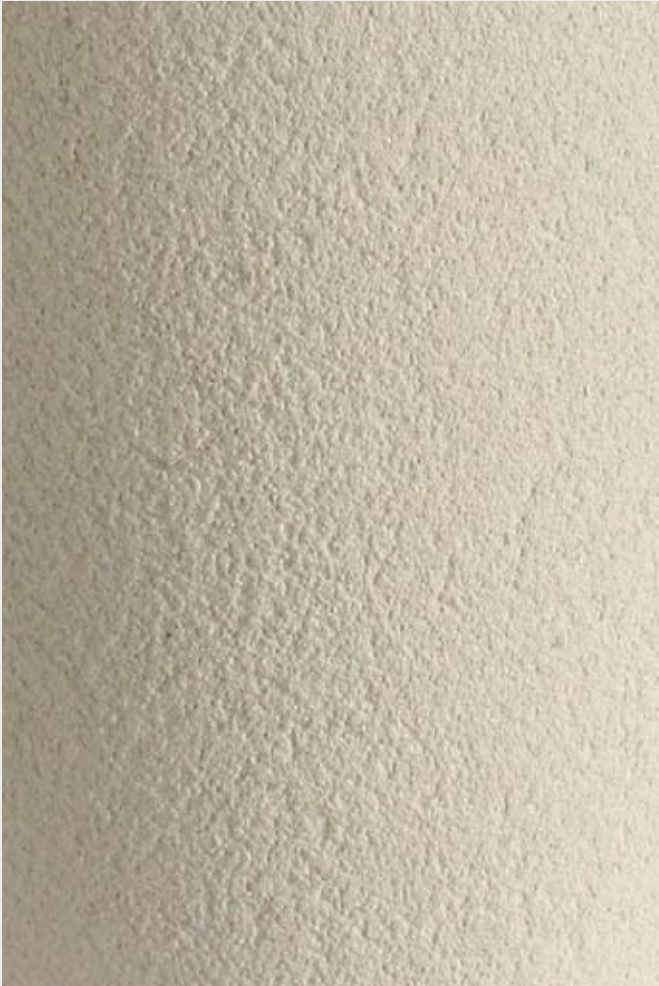
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Acrylic and siloxane thick coatings

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CARSO

Rough granulated plaster for exteriors, fine grain (type 1) or coarse grain (type 2)

RIALTO CARSO coating gives a fine or coarse mat granulated decorative effect. It is mainly composed of a copolymer resin for standard type and binding modified siloxane resin for siloxane type, selected marble and silica grit, UV ray-resistant pigments, special additives that make the product easy to apply, and a broad-spectrum in-can preservative agent.

PROPERTIES

RIALTO CARSO is marked by and stands out for the following characteristics:

- it has a high degree of permanent elasticity
- it is water repellent
- it allows the necessary substrate breathability
- water vapor permeability:
standard type: 38 g/m² - 24h,
(ASTM-E96 Regulations),
 $\mu=500$, Sd=0.60m
siloxane type: 220 g/m² - 24h
(ASTM-E96 Regulations),
 $\mu=80$, Sd = 0.10 m
- it is stable in time

- it has excellent surface adherence
($> 10 \text{ kgf/cm}^2$)
- it is ready to use
- it is easy to apply using a stainless steel and plastic trowel
- it is non-toxic
- it is non-flammable
- specific gravity: $1.70 \pm 0.2 \text{ Kg/l}$
- pH:
standard type: 7.5 ± 0.2
siloxane type: 8.2 ± 0.2

- viscosity:
standard type: 18,500 \pm 500 mPas
siloxane type: 18,000 \pm 500 mPas
- dry residue:
standard type: $84 \pm 2\%$ by weight
siloxane type: $80 \pm 2\%$ by weight
- resin dry residue out of total dry residue:
standard type: $9.5 \pm 0.2\%$ by weight
siloxane type: $9.7 \pm 0.2\%$ by weight

Max grain size of the inerts:

CARSO 1: 1,2 mm

CARSO 2: 1,8 mm

PURPOSES

RIALTO CARSO gives to exterior walls a great decorative effect, thus obtaining highly water-repellent and breathable walls and reducing efflorescence and mould formation.

Provided the surfaces are sound, level and dry, **RIALTO CARSO** can be applied to the following surfaces:

- fine plasters
- concrete
- prefabricated elements
- Terranova type rustic plasters
- old paints (lime, washable, oil, etc.)
- insulating and prefabricated panels

WORKING INSTRUCTIONS

Prepare scaffolding so as to allow continuous application until architectural impediments are encountered (stringcourses, corners, joints, etc.)

STANDARD TYPE:

- if the surface to be coated is too large, it is advisable to divide it into single panels and then finish the joints with **RIALTO FINISH**
- the surface to be treated must be perfectly dry and smooth in order to apply an even coat of **RIALTO CARSO**
- it is advisable to apply an undercoat of **RIALTO FINISH**, diluted to 30% with water, especially when the color of the surface is not even or it contrasts with the color of the coating to be applied
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER** and allow at least 48 hours before applying **RIALTO FINISH**
- on fiber cement panels it is necessary to wipe off the dust using a brush, and apply a coat of **RIALTO FINISH** diluted to 30% with water before applying **RIALTO CARSO**

SILOXANE TYPE:

- if the surface to be coated is too large, it is advisable to divide it into single panels and then finish the joints with **RIALTO DOMOSIL**
- the surface to be treated must be perfectly dry and smooth in order to apply an even coat of **RIALTO CARSO SILOSSANICO**

- it is advisable to apply an undercoat of **RIALTO DOMOSIL**, diluted to 30% with water, especially when the color of the surface is not even or contrasts with the color of the coating to be applied
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO DURASIL**, and allow at least 48 hours before applying **RIALTO DOMOSIL**
- stir product before use in order to make it more homogeneous
- **RIALTO CARSO** can be easily applied using a stainless steel trowel, spreading the product with even thickness and levelling off the surface using a plastic trowel exerting an even pressure
- wash trowel from time to time, taking care not to wet surface
- when product is left to dry, protect walls from rain and frost
- this product requires approximately 24 hours to dry. Drying time, however, may vary as a result of the weather and humidity
- clean tools with water immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- protect containers from frost and temperatures above 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

RIALTO CARSO "1": 2 kg/m² (3.6 lb/sq.yd)

RIALTO CARSO "2": 3.3 kg/m² (5.9 lb/sq.yd)

Average covering capacity may vary depending on the substrate nature and absorption rate.

PACKAGING

RIALTO CARSO is available in 25 kg (55 lb) containers.

COLOR RANGE

RIALTO CARSO is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 100 kg.

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets :

RIALTO FINISH

RIALTO STABILIZER

RIALTO DOMOSIL

RIALTO DURASIL



Specification for application of **RIALTO CARSO SILOSSANICO** on new exterior plaster surface:

Preparation

Apply one coat of **RIALTO DOMOSIL** primer, in the same color as the finishing product. Dilute **RIALTO DOMOSIL** to 30% with water and apply either using a brush or a roller or a spray gun. Average covering capacity on fine plaster: 0.10 l/m². After the application of **RIALTO DOMOSIL**, allow at least 6 hours before applying the finishing product.

Finishing

On a dry plaster surface, apply one single coat of **RIALTO CARSO SILOSSANICO**, a siloxane coating with weather-resistant embodied shade, based on oligomeric siloxane alkylates, selected inert minerals, and a permanent-elasticity copolymer thermoplastic binder, using a stainless steel trowel. Surface adherence: > 10 kgf/cm².

Water vapor permeability: 220 g/m² - 24 hours.

Average covering capacity: **CARSO 1 SILOSSANICO** = 2 kg/m², **CARSO 2 SILOSSANICO** = 3.3 kg/m²

Price for material and application, excluding any scaffolds, € per m².

For further help or information regarding the products in **RIALTO** range, contact your local dealer.

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DURALBO

Coarse coating for exteriors

RIALTO DURALBO gives a slight coarse effect similar to that of old colored plaster. It is made up of a binding copolymer resin for **standard type** and modified siloxane resin for **siloxane type**, colored fine grain marble chipping, hard aggregates including granite and quartz, special additives that make the product easy to apply, and a special in-can preservative.

PROPERTIES

RIALTO DURALBO is marked by and stands out for the following characteristics:

- it has high degree of permanent elasticity
- it has high water repellency
- it has excellent substrate breathability:
 - standard type:** 23 g/m² - 24h (ASTM-E96 Regulations), $\mu=830$, Sd=1 m
 - siloxane type:** 180 g/m² - 24h (ASTM-E96 Regulations), $\mu=100$, Sd=0.12 m
- it is stable in time
- it has excellent surface adhesion: > 10 kgf/cm²
- it is ready to use
- it is easy to apply using a stainless steel and plastic trowel
- it is not toxic
- it is non-flammable
- specific gravity: 1.9 ± 0.2 Kg/l
- pH:
 - standard type:** 7.5 ± 0.2
 - siloxane type:** 8.2 ± 0.2
- viscosity:
 - standard type:** 20,800 ± 500 mPas
 - siloxane type:** 19,000 ± 500 mPas
- dry residue:
 - standard type:** 83.5 ± 2% by weight
 - siloxane type:** 81 ± 2% by weight
- resin dry residue out of total dry residue: 9.6 ± 0.2% by weight
- Max grain size of the inerts: 1,2 mm

PURPOSES

RIALTO DURALBO gives to exterior walls a great decorative effect, thus obtaining highly water-repellent and breathable walls and reducing efflorescence and mould formation. Provided the surfaces are solid, clean and even, **RIALTO DURALBO** can be applied to:

- fine plasters
- concrete
- prefabricated elements
- pebbledash
- old paints (washable, oil, etc.)
- insulating panels

COLOR RANGE

RIALTO DURALBO is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 100 kg.

Product of the same batch number should be used for a job.

PACKAGING

RIALTO DURALBO is available in 25 kg containers.

COVERING CAPACITY

Average covering capacity: 1.7 kg/m² (3.1 lb/sq.yd).

The covering capacity may vary according to the nature of the backing to which it is applied.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO FINISH

RIALTO STABILIZER

RIALTO DOMOSIL

RIALTO DURASIL

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, flights, etc.)
- the surface to be treated must be perfectly dry and smooth in order to apply an even coat of **RIALTO DURALBO**

STANDARD TYPE:

- apply a coat of **RIALTO FINISH** diluted with 30% of water, especially when the color of the surface is not homogeneous or it contrasts with the color of the coating to be applied
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER** and allow at least 48 hours before applying **RIALTO FINISH**

SILOXANE TYPE:

- if the surface to be coated is too large, it is advisable to divide it into panels and then finish the joints with **RIALTO DOMOSIL**
- the surface to be treated must be perfectly dry and level in order to apply an even coat of **RIALTO DURALBO SILOSSANICO**
- it is advisable to apply an undercoat of **RIALTO DOMOSIL**, diluted to 30% with water, especially when the color of the surface is not even or contrasts with the color of the coating to be applied

- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO DURASIL**, and allow at least 48 hours before applying **RIALTO DOMOSIL**
- mix the product before use in order to make it more homogeneous
- **RIALTO DURALBO** can be easily applied using a stainless steel trowel, spreading the product with even thickness and leveling off the surface exerting an even pressure
- wash trowel from time to time taking care not to wet surface
- when product is left to dry, protect surface from rain and frost
- this product requires approximately 24 hours to dry; drying time, however, may vary as a result of the weather and humidity
- clean tools with water immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- store **RIALTO DURALBO** in its original container at temperatures ranging from 5°C (41°F) to 30°C (86°F)
- do not pollute the environment
- dispose of product with care
- dispose of waste through authorized waste disposal services



Specification for application of **RIALTO DURALBO SILOSSANICO** on new exterior plaster surface:

Preparation

Apply one coat of **RIALTO DOMOSIL** primer, in the same color as the finishing product. Dilute **RIALTO DOMOSIL** to 30% with water and apply either using a brush or a roller or a spray gun. Average covering capacity on fine plaster: 0.10 l/m². After the application of **RIALTO DOMOSIL**, allow at least 6 hours before applying the finishing product.

Finishing

On a dry plaster surface, apply one single coat of **RIALTO DURALBO SILOSSANICO**, a siloxane coating with weather-resistant embodied shade, based on oligomeric siloxane alkylates, selected inert minerals, and a permanent-elasticity copolymer thermoplastic binder, using a stainless steel trowel. Surface adherence: > 10 kgf/cm².

Water vapor permeability: 180 g/m² - 24 hours.

Average covering capacity: 1.7 kg/m²

Price for material and application, excluding any scaffolds, € per m².

For further help or information regarding the products in **RIALTO** range, contact your local dealer.

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ERALIT

Troweled fine coating for exteriors

RIALTO ERALIT provides an antique-like troweled effect, similar to that of old colored plasters. It is mainly composed of copolymer resins for **standard type** and modified siloxane resins for **siloxane type**, selected marble and quartz grit, UV ray-resistant pigments, a special in-can preservative, and other additives.

PROPERTIES

RIALTO ERALIT is marked by and stands out for the following characteristics:

- it is water repellent
- water vapor permeability:
 - standard type:** 25 g/m² - 24 h, (ASTM-E96 Regulations), $\mu=830$, Sd=1 m
 - siloxane type:** 180 g/m² - 24h (ASTM-E96 Regulations), $\mu=100$, Sd=0.12 m
- it has good adhesion to the substrate: > 10Kgf/cm²
- it is stable in time
- it has excellent hiding power
- it is ready to use
- it is easy to apply using a stainless steel trowel
- it is not toxic
- it is non-flammable
- specific gravity: 1.65 ± 0.2 Kg/l
- pH:
 - standard type:** 7.5 ± 0.2
 - siloxane type:** 7.8 ± 0.2
- viscosity:
 - standard type:** 18,500 ± 500 mPas
 - siloxane type:** 18,000 ± 500 mPas
- dry residue:
 - standard type:** 77.7 ± 2% by weight
 - siloxane type:** 80 ± 2% by weight
- resin dry residue out of total dry residue:
 - standard type:** 9 ± 0.2% by weight
 - siloxane type:** 9.6 ± 0.2% by weight
- Max grain size of the inerts: 1,2 mm

PURPOSES

RIALTO ERALIT is ideal for obtaining a “plaster-like” finishing effect, for creating a long-lasting clean appearance and ensuring proper water-repellency to the treated surfaces.

Provided surfaces are sound, level and dry, **RIALTO ERALIT** can be applied to the following:

- fine plasters
- concrete
- prefabricated elements
- old paints
- insulating panels

COLOR RANGE

RIALTO ERALIT is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 100 kg.

Product of the same batch number should be used for a job.

PACKAGING

RIALTO ERALIT is available in 25 kg containers.

COVERING CAPACITY

The average covering capacity is 1.5 kg/m² (2.75 lb/sq.yd) but it may vary depending on the substrate nature and absorption rate.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO FINISH

RIALTO STABILIZER

RIALTO DOMOSIL

RIALTO DURASIL

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)

STANDARD TYPE:

- if the surface to be coated is too large, it is advisable to divide it into panels and finish the joints with **RIALTO FINISH**
- the surface to be treated must be perfectly dry and smooth in order to apply an even coat of **RIALTO ERALIT**
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER** and allow at least 48 hours before starting the application of **RIALTO FINISH**
- apply an undercoat of **RIALTO FINISH**, diluted to 30% with water (same color of eralit finishing)

SILOXANE TYPE:

- if the surface to be coated is too large, it is advisable to divide it into panels and finish the joints with **RIALTO DOMOSIL**
- the surface to be treated must be perfectly dry and level in order to apply an even coat of **RIALTO ERALIT SILOSSANICO**
- it is advisable to apply an undercoat of **RIALTO DOMOSIL**, diluted to 30% with water, especially when the color of the surface is not even or contrasts with the color of the coating to be applied

- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO DURASIL** and allow at least 48 hours before starting the application of **RIALTO DOMOSIL**
- stir the product before use in order to make it homogeneous
- **RIALTO ERALIT** can be easily applied using a stainless steel trowel, spreading the product with even thickness and levelling off the surface exerting an even pressure
- wash trowel from time to time taking care not to wet surface
- when product is left to dry, protect walls from rain and frost
- this product requires approximately 8 hours to dry for standard type and 24 hours for siloxane type. Drying times, however, may vary as a result of the weather and humidity
- clean tools with water immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- protect containers from frost and temperatures above 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services.



Specification for application of **RIALTO ERALIT SILOSSANICO** on new exterior plaster surface:

Preparation

Apply one coat of **RIALTO DOMOSIL** primer, in the same color as the finishing product. Dilute **RIALTO DOMOSIL** to 30% with water and apply either using a brush or a roller or a spray gun. Average covering capacity on fine plaster: 0.10 l/m². After the application of **RIALTO DOMOSIL**, allow at least 6 hours before applying the finishing product.

Finishing

On a dry plaster surface, apply one single coat of **RIALTO ERALIT SILOSSANICO**, a siloxane coating with weather-resistant embodied shade, based on oligomeric siloxane alkylates, selected inert minerals, and a permanent-elasticity copolymer thermoplastic binder, using a stainless steel trowel. Surface adherence: > 10 kgf/cm².

Water vapor permeability: 180 g/m² - 24 hours.

Average covering capacity: 1.5 kg/m².

Price for material and application, excluding any scaffolds, € per m².

For further help or information regarding the products in **RIALTO** range, contact your local dealer.

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MARINA

Fine grain coating for exteriors

RIALTO MARINA gives fine trowelled effect, similar to old colored plasters. It is made up of a binding copolymer resin for **standard type** and of a siloxane resin for **siloxane type**, fine grain marble and silica chippings resistant to U.V. rays, special additives which make the application easier, and fungicide and anti-bacteria agent.

PROPERTIES

RIALTO MARINA is marked by and stands out for the following characteristics:

- it has a high degree of permanent elasticity
- it is water repellent
- it allows surfaces to breath:
 - standard type** 25 g/m² in 24 hours (ASTM-E96),
 $\mu=830$, Sd = 1 m;
 - siloxane type** 180 g/m² in 24 hours (ASTM-E96),
 $\mu=100$, Sd = 0.12 m
- it is stable in time
- it provides excellent adhesion (>10 kgf/cm²)
- it is ready to use
- it is easy to apply using a stainless steel and plastic trowel
- it is not toxic
- it is non flammable
- specific gravity 1.60 ± 0.2 kg/l
- pH:
 - 8.4 ± 0.2 **standard type**
 - 8.2 ± 0.2 **siloxane type**
- viscosity:
 - $18,000 \pm 2,000$ mPas **standard type**
 - $19,000 \pm 1,000$ mPas **siloxane type**
- dry residue:
 - $81 \pm 2\%$ by weight **standard type**
 - $80 \pm 2\%$ by weight **siloxane type**
- resin dry residue out of total dry residue:
 - $9.6 \pm 0.2\%$ by weight **standard type**
 - $9 \pm 0.2\%$ by weight **siloxane type**
- Max grain size of the inerts: 0,6 mm

PURPOSES

RIALTO MARINA gives to exterior walls a great decorative effect. A veiled cloudy effect can be achieved with the application of **RIALTO VELASIL**, siloxane veiled mineral coating. It gives highly water-repellency and breathability to walls, keeps them clean in time and reduces efflorescence and mould formation.

Provided the surfaces are sound, smooth and dry, **RIALTO MARINA** can be applied to the following surfaces:

- fine plasters
- concrete
- prefabricated walls
- plasterboards

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)
- when applying either to plaster which is old or covered with traces of old paint or to new plaster with cracks or which has been filled in, remove loose material and dampen all the surface with water before smoothing it down with **RIALTO WALLCEM**
- after 24 hours, when the surface is well dried and smooth, apply one coat of **RIALTO MARINA**
- it is advisable to apply an undercoat of **RIALTO FINISH** for standard type, and **RIALTO DOMOSIL** for siloxane type, diluted to 30% with water, of the color similar to the one of the coating to be applied
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER** for standard type, and **RIALTO DURASIL** for siloxane type, and allow at least 48 hours before applying the finishing
- in case of prefabricated walls and absorbent cement panels, any dust and loose material must be removed by brush or by washing before applying **RIALTO MARINA**
- mix the product before use in order to make it homogeneous
- normally two coats of **RIALTO MARINA** are applied by stainless steel trowel in minimum quantity, finishing by plastic trowel in a rotating way to uniform the surface
- allow at least 24 hours to apply the second coat, as described above
- wash the trowel from time to time, avoiding to wet the wall
- when product is left to dry protect surface from rain and frost
- this product requires approximately 24 hours to dry. Drying time, however, may vary as a result of weather and humidity
- clean tools with water immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun or in case of strong wind
- protect containers from frost and temperatures above 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal plants

COVERING CAPACITY

The average covering capacity is 1.5 kg/m² (2.75 lb/sq.yd) for two coats, but it may vary depending on the substrate nature and absorption rate.

PACKAGING

RIALTO MARINA is available in 25 kg containers.

COLOR RANGE

RIALTO MARINA is available in a wide range of colors. See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided.

Minimum quantity: 100 kg. Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO FINISH

RIALTO DURASIL

RIALTO STABILIZER

RIALTO WALLCEM

RIALTO DOMOSIL



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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ROLLER

Thick coating for exteriors

RIALTO ROLLER gives a mat decorative “orange-peel” relief effect. It consists of a copolymer resin for **standard type** and of siloxane resin for **siloxane type**, that act as a binder, UV ray-resistant pigments, hard aggregates such as granite and silica with different granulometry, special additives for perfect adhesion, and an in-can preservative agent.

PROPERTIES

RIALTO ROLLER is marked by and stands out for the following characteristics:

- it has a high degree of permanent elasticity
- it is water-repellent
- allows the necessary substrate breathability:
 - standard type:** 45 g/m² 24 h (ASTM-E96 regulations), $\mu=800$, Sd=0.48 m
 - siloxane type:** 250 g/m²-24h (ASTM-E96 Regulations), $\mu=143$, Sd=0.086 m
- it is long-lasting
- it has excellent surface adherence (>10 kgf/cm²)
- it is ready to use and easy to apply using a roller
- it is non-flammable
- specific gravity: 1.7 ± 0.1 kg/l
- pH: 7.5 ± 0.2
- viscosity:
 - 15,200 \pm 200 mPas **standard type**
 - 18,500 \pm 500 mPas **siloxane type**
- dry residue:
 - 75 \pm 0.2 % by weight **standard type**
 - 75 \pm 0.5 % by weight **siloxane type**
- resin dry residue out of total dry residue: 11% \pm 0.2 by weight
- Max grain size of the inerts: 0,4 mm

PURPOSES

RIALTO ROLLER is ideal for:

- giving to exterior walls a great decorative effect
- creating a long-lasting clean appearance
- reducing efflorescence and mould formation
- giving a high water-repellency

Provided the surfaces are sound, level and dry, the **RIALTO ROLLER** coating can be applied to the following:

- fine plasters
- prefabricated elements
- Terranova type rustic plasters
- old paints (lime, washable, oil, etc.)
- decorative concrete

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)
- clean thoroughly the surfaces to be coated, removing any loose material
- on old plaster or surfaces where paint is peeling and new plaster where cracks have appeared or to which filler has been applied, remove loose or dusty material, wet surface and then apply **RIALTO WALLCEM**. Allow at least 24 hours for surface to dry

STANDARD TYPE:

- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER** and allow at least 48 hours before applying **RIALTO ROLLER**
- on new plaster, a coat of **RIALTO FINISH** diluted to 30% of water should be applied after **RIALTO STABILIZER** in order to reduce absorption and level off the substrate

SILOXANE TYPE:

- if the surface to be coated is too large, it is advisable to divide it into single panels and then finish the joints with **RIALTO DOMOSIL**
- the surface to be treated must be perfectly dry and level in order to apply an even coat of **RIALTO ROLLER SILOSSANICO**
- it is advisable to apply an undercoat of **RIALTO DOMOSIL**, diluted to 30% with water, especially when the color of the surface is not even or contrasts with the color of the coating to be applied
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO DURASIL** and allow at least 48 hours before applying **RIALTO DOMOSIL**

- stir the product before use
- **RIALTO ROLLER** can be applied using a sponge roller with thickness to match the desired finishing effect
- clean tools with water immediately after use
- this product requires approximately 12 hours (standard type) and 24 hours (siloxane type) to dry. Drying times, however, may vary as a result of the weather and humidity
- when product is left to dry, protect walls from rain and frost
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- protect containers from frost and temperatures above 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average covering capacity is 0.8 kg/m² (1.46 lb/sq.yd), but it may vary depending on the substrate absorption rate and type of tool.

PACKAGING

RIALTO ROLLER is available in 25 kg containers.

COLOR RANGE

RIALTO ROLLER is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 100 kg.

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets :

RIALTO WALLCEM BIANCO

RIALTO FINISH

RIALTO STABILIZER

RIALTO PRIMER

RIALTO DURASIL

RIALTO DOMOSIL

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Acrylic paints and varnishes

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AEROTEX

Water-based paint for interiors with high water vapour permeability

RIALTO AEROTEX has a smooth mat decorative appearance. It is mainly composed of special copolymers, selected pigments and aggregates, and special additives to guarantee a perfect adhesion to substrates, as well as an easy application of the product.

PROPERTIES

RIALTO AEROTEX is marked by and stands out for the following characteristics:

- it has a high covering capacity
- it is water repellent
- it has a high water vapor permeability: 350 g/m²-24h (ASTM-E96 Regulations), $\mu=290$, Sd=0.07 m
- it does not peel
- it is ready to use
- it can be easily applied using either a paintbrush, roller or spray
- it is non-flammable
- it is abrasion resistant (> 1,000 Gardner cycles)
- specific gravity: 1.58 ± 0.02 kg/l
- pH: approx. 8 ± 0,50
- Brookfield viscosity: 12,000 ± 500 mPas
- dry residue: 60 ± 1% by weight
- dry residue out of total dry residue: 7.9 ± 0.5%.

PURPOSES

RIALTO AEROTEX gives surfaces a mat decorative effect and makes interior walls breathable.

Provided the surfaces are sound and dry, after an adequate preparation **RIALTO AEROTEX** can be applied to the following surfaces:

- fine plasters
- bricks
- plasterboards
- gypsum
- prefabricated panels

WORKING INSTRUCTIONS

- clean the surface and remove any loose material
- if the surface is covered with mould, apply **RIALTO SX 5911**. It is advisable to add to the product **RIALTO SX 110-22** in order to obtain a permanent broad-spectrum anti-mould paint
- on new plaster or gypsum, on old paints or on any absorbent or porous friable substrate apply a coat of **RIALTO PRIMER** diluted with 1:6 - 1:8 water
- before use, dilute **RIALTO AEROTEX** to 30-35% with water and stir thoroughly to make it homogeneous
- wash brushes and equipment immediately after use
- store product in the container at temperature not lower than 7°C (44°F) or above 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average covering capacity is 5 m²/l (200 sq.ft./gal) for two coats, but it may vary depending on the substrate nature and absorption rate, and on the method of application.

PACKAGING

RIALTO AEROTEX is available only in white color in 5 l and 14 l containers. It can be tinted with **RIALTO PASTE COLORANTI** to obtain pastel colors, with a color quantity not higher than 1%.

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER
RIALTO SX 5911
RIALTO SX 110-22

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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COLORETEX

Acrylic permeable water-based coating for interiors

RIALTO COLORETEX is a smooth finish with a matt effect. Mainly composed of copolymer resins, titanium dioxide, wide spectrum in-can bactericide agent, selected pigments, in water dispersion.

PROPERTIES

RIALTO COLORETEX is marked by and stands out for the following characteristics:

- it is water-repellent
- it is wash-resistant
- it allows surfaces to breathe: 300 gr/m² - 24 hours, DIN 53122 Regulations, $\mu=320$, $S_d=0.08$ m
- it has a good hiding power
- it adheres perfectly to backing
- it is non-flammable
- it is not harmful (according to EU Regulations)
- it is abrasion resistant: 7,000 Gardner cycles
- average specific gravity: 1.45 ± 0.05 kg/l
- viscosity: non-Newtonian product; average value $11,000 \pm 1,000$ mPas
- it can be easily applied using either brush, roller or conventional spray
- dry residue: $66 \pm 0.5\%$ by weight
- a large range of tintometric colors can be obtained

PURPOSES

RIALTO COLORETEX creates a highly washable and water vapor permeable internal surfaces.

Provided the surfaces are sound, firm and dry, **RIALTO COLORETEX** is suitable for the following applications:

- plasters
- bricks
- plasterboards
- prefabricated panels
- gypsum

COVERING CAPACITY

The average spreading rate of **RIALTO COLORETEX** is 6 m²/l (240 sq.ft./gal) for two coats.

The spreading rate may vary according to the porosity of the surface to be treated.

WORKING INSTRUCTIONS

- surfaces should be cleaned and loose material should be removed
- walls covered with mould should be treated previously with **RIALTO SX 5911**
- apply a coat of **RIALTO PRIMER** diluted with water (1:6) before applying **RIALTO COLORETEX** to old, dusty paints or new plasters, gypsum, plasterboard
- before use dilute **RIALTO COLORETEX** with 20-30 % of water and mix it thoroughly
- clean brushes and any other tools with water immediately after use
- store product in its original container at temperatures between 7°C (44°F) and 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

PACKAGING

RIALTO COLORETEX is available in 14 and 5 l containers, in white color and three bases that can be tinted with **RIALTO TINTING PASTES** with the following quantities:

base 100 : max 3% of colorants by weight

base 300 : max 5% of colorants by weight

base 400 : max 10% of colorants by weight

Custom colors are available at extra costs, depending on the shade. A sample of the color must be provided. Minimum quantity: 140 l.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER

RIALTO SX 5911



DUROFLEX

Elastomeric and protective wall paint for exteriors

The aesthetic effect is smooth and mat. It is made up of terpolimer elastomeric resin, different-sized hard aggregates such as mica, silica, quartz, selected pigments, special additives, fungicide, and anti-bacteria agents.

PROPERTIES

RIALTO DUROFLEX is marked by and stands out for the following characteristics:

- it has high permanent elasticity, ultimate elongation 250%
- it has good adhesion: $> 10 \text{ kgf/cm}^2$
- it is water repellent
- it has high water vapour permeability: $15 \text{ g/m}^2 - 24 \text{ h}$; (ASTM - E96 regulations)
 $\mu = 3,200$, $S_d = 0.96 \text{ m}$
- it is long lasting and resistant to U.V. rays
- it is ready to use
- it prevents formation of mould
- it is easily applied by brush or roller
- it is non-flammable
- specific gravity: 1.42 ± 0.05
- pH: 7.5
- abrasion resistant: > 13.000 Gardner cycles
- viscosity: $6,500 \pm 500 \text{ mPas}$
- dry residue: $56\% \pm 1\%$ by weight
- resin dry residue of total dry residue: $36\% \pm 1\%$ by weight

PURPOSES

RIALTO DUROFLEX gives walls a long lasting, smooth, and mat decorative effect, and guarantees permanent protection against the weathering effects of water and acid rain. It is particularly suggested for walls with very small micro-cracks.

Provided the surfaces are sound, smooth, dry and adequately prepared, it can be applied to the following surfaces:

- fine plasters
- concrete
- pre-fabricated panels
- old water based paints
- used for protection from sunlight and decoration of bituminous and non pedestrian supports.

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)

- remove detached and loose material. Clean the surface from dust

On sound plaster

- apply one coat of **RIALTO STABILIZER** and wait 24 hours
- apply without any dilution, by brush or roller, two coats of **RIALTO DUROFLEX** with 12 hours interval between coats

On surface with cracks $< 0.2 \text{ mm}$:

- apply one coat of **RIALTO STABILIZER**. Wait 24 hours and apply by stainless steel trowel the elastomeric stabilizing plaster **RIALTO RASELAST**

- apply without any dilution, by brush or roller, two coats of **RIALTO DUROFLEX** with 12 hours interval between coats

On surface with cracks $< 0.4 \text{ mm}$:

- apply one coat of **RIALTO STABILIZER**. Wait 24 hours and apply by stainless steel trowel **RIALTO RASELAST** together with fibreglass net **RIALTO FIBRELAST**

- apply without any dilution, by brush or roller, two coats of **RIALTO DUROFLEX** with 12 hours interval between coats
avoid the application of **RIALTO DUROFLEX** on surfaces with evident signs of saltpetre and dampness

- clean tools with water immediately after use

- do not apply during wind, rain or at temperature below 5°C (41°F). Protect it from frost and temperature exceeding 30°C (86°F)

- dispose of product with care

- dispose of waste through authorized waste disposal services

COVERING CAPACITY

RIALTO DUROFLEX covering capacity is 3-3.5 m²/lt (123-143 sq.ft./gal) for two coats, depending on the absorption of the support

PACKAGING

RIALTO DUROFLEX is available in 15 l containers

REFERENCES

For further information regarding the products mentioned in the text, see the following technical sheets:

RIALTO STABILIZER

RIALTO RASELAST

ELASTOMERIC TREATMENT LEAFLET

COLOR RANGE

White 60-01 and 16 colors of Collezione Italia are available and can be mixed together:

60-02 60-16 60-41 60-65

60-03 60-36 60-48 60-78

60-04 60-37 60-63 60-88

60-05 60-40 60-64 60-97

The use of pastel colors is suggested.

Customs colors are available at extra cost, depending on the shade. A sample of the color has to be provided. Minimum quantity 75 l.

Product of the same batch number should be used for a job



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GLAZER FL / FO

Water-based enamel

RIALTO GLAZER is a water-based enamel paint for exteriors and interiors, composed of acrylic resins which act as binders, water, pigments, glycols, additives and a fungicide-bactericide agent.

RIALTO GLAZER fl provides a smooth glossy decorative appearance.

RIALTO GLAZER fo provides a smooth mat decorative appearance.

PROPERTIES

RIALTO GLAZER FL/FO is marked by and stands out for the following characteristics:

- it is a water-soluble ecological enamel paint
- it is odorless
- it has permanent elasticity
- it is non-yellowing (DIN regulations 19363)
- it is abrasion resistant (DIN regulations 53778)
- dust-free drying time: 30-40 min. at 20°C (68°F) - relative humidity: 65%
- touch-free drying time: 2 hours
- it has excellent surface adherence
- specific gravity: 1.26 ± 0.03 Kg/l
- it conforms to HACCP specifications
- GLOSS level at 60°
- **GLAZER fl** 80 - 90
- **GLAZER fo** 20 - 30
- it protects treated surfaces from atmospheric agents
- it is water vapor permeable
- it is alkali resistant
- it is easy to apply
- it is non-flammable

PURPOSES

RIALTO GLAZER FL/FO is ideal for the interior and exterior treatment of wood, plaster, concrete, prefabricated elements, steel, iron, PVC, aluminum, zinc, plasterboards.

It can be used for walls, ceilings, doors, windows, frames, beams, fences, iron bars, decorative gratings, garden equipment, etc.

WORKING INSTRUCTIONS

Surfaces to be painted should be completely dry, free of dust, oil and wax stains, rust and any other kind of dirt. Protect stored product from frost and temperatures above 40°C (104°F)

Surface preparation:

- **new wood**
sand and dust well first, then apply **RIALTO UNIVERSAL**
- **painted wood**
remove old paint, sand and then apply **RIALTO UNIVERSAL**
- **iron and steel**
clean metal surfaces of dust, rust, grease, oil, etc. and apply **RIALTO UNIVERSAL**
- **sheet zinc**
wash with water and ammonia. Dry thoroughly and apply **RIALTO UNIVERSAL** primer
- **aluminum**
remove the oxide by abrasion, then apply a coat of **RIALTO UNIVERSAL**
- **plaster and concrete**
backing must be seasoned for at least four weeks, completely dry and dust free, apply a coat of **RIALTO PRIMER** diluted with 1:8 water
- if possible apply at a temperature of 18°C (64°F). Avoid application on frozen, overheated surfaces or surfaces with high relative humidity, in any case higher than 7°C (44°F) and lower than 30°C (86°F)
- use **RIALTO GLAZER FL/FO** in a dust free environment. Apply the product by brush, low-nap roller or spray (in this case, dilute to 5% with water). Allow approximately 10 hours before applying the second coat
- clean all equipment immediately after use with water and detergent
- dispose of the empty containers with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

By brush or roller: average covering capacity 8-10 m²/l (330-412 sq.ft./gal).

By spray: average covering capacity 7-8 m²/l (288-330 sq.ft./gal).

PACKAGING

RIALTO GLAZER FL/FO is available in 2.5 l and 0.75 l containers.

COLOR RANGE

RIALTO GLAZER FL/FO is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 30 l

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO UNIVERSAL

RIALTO PRIMER

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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HYDROTEX

High permeable water-based finish for interiors

RIALTO HYDROTEX is a smooth finish with a matt effect. It is based of copolymer resin dispersion, selected pigments, mineral compounds and a low-toxicity biocide.

PROPERTIES

RIALTO HYDROTEX is marked by and stands out for the following characteristics:

- it allows surfaces to breathe: (water vapor permeability: 300 gr/m² - 24 hours), DIN 53122 Regulations, $\mu=320$, Sd=0.08 m
- it is water-repellent
- it has a good hiding power
- it adheres perfectly to backing
- it is wash-resistant according to DIN 53778
- it does not peel or flake
- it can be easily applied using either brush, roller or conventional spray
- it is non-flammable
- it is not harmful
- it is abrasion resistant: 5.000 Gardner cycles
- specific gravity: 1.55 ± 0.05 kg/l
- viscosity: non-Newtonian product; average value 12,000 mPas
- dry residue: 65 ± 0.5% by weight

PURPOSES

RIALTO HYDROTEX is particularly suitable to provide internal surfaces with high water vapor permeability and a good water repellency.

Provided the surfaces to which the product is to be applied are sound, firm, and dry, **RIALTO HYDROTEX** is suitable for the following applications:

- plasters
- bricks
- plasterboard
- prefabricated panels
- gypsum

WORKING INSTRUCTIONS

- surfaces should be cleaned and loose material should be removed
- in presence of moulds, it is advisable to treat previously with **RIALTO SX 5911**; besides, in order to obtain a wider broad spectrum and permanent fungicide action, it is suggested to mix **RIALTO HYDROTEX** with **RIALTO SX 110-22**
- apply a coat of **RIALTO PRIMER** diluted with water (1:6) before applying **RIALTO HYDROTEX** to old, dusty paint or new plasters, gypsum, plasterboard
- before use dilute **RIALTO HYDROTEX** with 20-30 % of water and mix it thoroughly
- clean brushes and any other utensils with water immediately after use
- store the product at a temperature below 30°C (86°F) and above 7°C (44°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average spreading rate of **RIALTO HYDROTEX** is 5 m²/l (200 sq.ft./gal) for two coats.

The spreading rate may vary according to the porosity of the surface to be treated.

PACKAGING

RIALTO HYDROTEX is available in 5 l and 14 l containers.

COLOR RANGE

RIALTO HYDROTEX is available in a wide range of colors. See Collezione Italia fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 140 l.

RIALTO HYDROTEX P2075 (white base) can be tinted with **RIALTO TINTING PASTES** with a max suggested quantity of 2,5% by weight. It is advisable to work using the same production batch for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER

RIALTO SX 5911

RIALTO SX 110-22

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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UNION

Satined acrylic coating for interiors and exteriors

RIALTO UNION has a smooth decorative effect. It is mainly composed of a water-based terpolymer, pigments, specially selected mineral aggregates, and a broad-spectrum anti-mould compound.

PROPERTIES

RIALTO UNION is marked by and stands out for the following characteristics:

- it has UV ray-resistant colors
- it is washable and anti-mould
- it has a high hiding power
- it is water vapor permeable: 47 g/m² - 24h (DIN 53122), $\mu=2,227$, Sd = 0.49 m
- it has excellent surface adherence
- it is easy to apply
- it is non-flammable
- it is non-toxic in accordance with EC Regulations
- it is abrasion resistant: 12,000 Gardner cycles
- specific gravity: 1.25 ± 0.02 Kg/l
- pH: 7.5 ± 0,5
- viscosity: 4,000 ±200 mPas
- dry residue: 47 ± 5% by weight
- resin dry residue out of total dry residue: 32 ± 0.5% by weight.

PURPOSES

RIALTO UNION creates a highly washable and water-repellent surface while producing a special decorative effect.

Provided the surfaces are sound and dry, after proper preparation, **RIALTO UNION** can be applied to the following substrates:

- fine plasters
- bricks
- plasterboards
- gypsum
- prefabricated panels
- old paints
- concrete

WORKING INSTRUCTIONS

- for exterior application, prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)
- clean thoroughly the surface to be treated, removing any loose material
- expanded cracks should be filled with **RIALTO INTONAL** incorporating **RIALTO FIBRATEx** (fiberglass)
- if necessary, level off with **RIALTO SATINAL**
- walls covered with mould should be treated with **RIALTO SX 5911**
- apply on exterior surface a coat of **RIALTO STABILIZER** insulating treatment, and on interior surface a coat of **RIALTO PRIMER**, diluted with 1:6 water
- apply two coats of **RIALTO UNION**. On interior surface, dilute first coat to 10% with water and apply a second coat of undiluted product, to obtain a mat effect. For exterior surface, it is possible to dilute the product with more water, up to 20% for the first coat and 10% for the second coat
- stir thoroughly before use to make **RIALTO UNION** more homogeneous
- clean equipment with water immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- store product in the container at temperatures between 5°C (41°F) and 40°C (104°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services.

COVERING CAPACITY

The average covering capacity is 6 - 7 m²/l (240-290 sq.ft./gal), but it may vary depending on the substrate nature and absorption rate.

PACKAGING

RIALTO UNION is available in 4 l containers (white color also in 15 l containers).

COLOR RANGE

RIALTO UNION is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 100 kg.

RIALTO UNION P-2075 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 7% by weight.

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO STABILIZER

RIALTO INTONAL

RIALTO SATINAL

RIALTO PRIMER

RIALTO SX 5911



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

Every care has been taken to ensure that the information provided in this technical data sheet is accurate. **Harpo** is unable to guarantee results as it has no control over the conditions under which its products are applied.



UNION MAT

Matt acrylic coating for interiors and exteriors

RIALTO UNION MAT has a smooth matt decorative effect. It is mainly composed of an acrylic terpolymer (resistant to alkalis of cement-based substrates), aggregates such as silica and silicates (highly weather-resistant), selected pigments, special additives and a broad-spectrum anti-mould compound.

PROPERTIES

RIALTO UNION MAT is marked by and stands out for the following characteristics:

- it has good elasticity even at low temperatures
- it is water-repellent
- it is water vapor permeable:
200 g/m² - 24h (ASTM-E96 Regulations);
 $\mu = 465$; Sd = 0.12 m
- it has excellent surface adherence (>8 kgf/cm²)
- it is highly resistant to atmospheric agents
- it is ready to use
- it is easy to apply using either a brush, roller or spray
- it is non-flammable
- it is abrasion resistant (>8,000 Gardner cycles)
- specific gravity: 1.46 ± 0.2 Kg/l
- pH: 8 ± 0.3
- viscosity: 9,000 ± 500 mPas
- dry residue: 56 ± 1% by weight.

PURPOSES

RIALTO UNION MAT is ideal for:

- giving exterior walls a long-lasting protective treatment
- giving walls a mat decorative effect
- creating a long-lasting clean appearance
- protecting surfaces from atmospheric agents
- making exterior and interior surfaces breathable and water-repellent
- providing an anti-mould permanent protection to substrate

Provided the surfaces are sound and dry, after proper preparation, **RIALTO UNION MAT** can be applied to the following substrates:

- fine plasters
- decorative concrete
- decorative bricks
- old paints
- plasterboards
- gypsum
- prefabricated panels

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)
- clean thoroughly the surfaces to be treated, removing any loose material
- expanding cracks should be filled with **RIALTO INTONAL** incorporating **RIALTO FIBRATEx** (fiberglass)
- if necessary, level off with **RIALTO SATINAL**
- walls covered with mould should be treated first with **RIALTO SX 5911** to insure maximum effectiveness of the fungicide contained in **RIALTO UNION MAT**
- on exterior surface, apply a coat of **RIALTO STABILIZER** and allow at least 24 hours before coating the wall with **RIALTO UNION MAT**
- on interior new plaster, gypsum, old paint or friable surface, apply a coat of **RIALTO PRIMER** diluted with 1:6 water and allow at least 12 hours before applying **RIALTO UNION MAT**
- apply second coat of **RIALTO UNION MAT** after at least 12 hours, diluting to 20% with water if applied by brush or to 15% if applied by roller
- **RIALTO UNION MAT** is not intended for application on bricks with evident saltpeter or water stains
- clean brushes and equipment with water immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- protect product in the container from frost and temperature above 35°C (95°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services.

COVERING CAPACITY

Average covering capacity is 5-6 m²/l (200-240 sq.ft./gal) for two coats but it may vary depending on the substrate nature and absorption rate.

PACKAGING

RIALTO UNION MAT is available in 4 l containers (white color also in 15 l containers)

COLOR RANGE

RIALTO UNION MAT is available only in white color.

Custom colors (pastel colors only) are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 75 l.

RIALTO UNION MAT P-2075 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 7% by weight.

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO STABILIZER

RIALTO INTONAL

RIALTO SATINAL

RIALTO PRIMER

RIALTO SX 5911

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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WHITY

High permeable acrylic and wash-resistant finish for interiors

RIALTO WHITY is a smooth finish with a matt effect. Mainly composed of acrylic resins, titanium dioxide selected pigments, mineral compounds and a low-toxicity biocide.

PROPERTIES

RIALTO WHITY is marked by and stands out for the following characteristics:

- it is wash-resistant
- it has a good hiding power
- it has high water vapor permeability:
230 g/m² - 24 h (DIN 53122), $\mu=404$, Sd=0.10 m
- it has remarkable adhesion properties
- it is non-flammable
- it is not toxic (in compliance with EC regulations)
- it can be easily applied using either brush, roller or conventional spray
- it is abrasion resistant: 5,000 Gardner cycles
- specific gravity: 1.50 ± 0.05 kg/l
- viscosity: non-Newtonian fluid; average value 11,200 mPas
- dry residue: 66 ± 0.5 % by weight

PURPOSES

RIALTO WHITY is particularly suitable to provide decorative internal surfaces with a high water vapor permeability and resistance to repeated washing.

Provided the surfaces to which the product is to be applied are sound, firm and dry, **RIALTO WHITY** is suitable for the following applications :

- fine interior plasters
- bricks
- plasterboards
- prefabricated panels
- gypsum

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER

RIALTO SX 5911

RIALTO SX 110-22

WORKING INSTRUCTIONS

- surfaces should be cleaned and loose material should be removed
- in presence of mould is advisable to treat previously with **RIALTO SX 5911**; besides, in order to obtain a wider broad spectrum and permanent fungicide action, it is suggested to mix **RIALTO WHITY** with **RIALTO SX 110-22**
- before use dilute **RIALTO WHITY** with 20-30 % of water and mix it thoroughly
- apply a coat of **RIALTO PRIMER** diluted with water (1:6) before applying **RIALTO WHITY** to old, dusty paint or new plasters, gypsum, plasterboard
- clean brushes and any other utensils with water immediately after use
- store the product at a temperature below 30°C (86°F) and above 7°C (44°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average spreading rate of **RIALTO WHITY** is 5 m²/l (200 sq.ft./gal) for two coats. The spreading rate may vary according to the porosity of the surface to be treated.

PACKAGING

RIALTO WHITY is available in 4 l and 14 l containers.

COLOR RANGE

RIALTO WHITY is available in a wide range of colors. See Collezione Italia fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 140 l.

RIALTO WHITY P-2075 (white base) can be tinted with **RIALTO TINTING PASTES** with a max suggested quantity of 5% by weight. It is advisable to work using the same production batch for a job.

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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Cleaning and wall protection

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ALKAL 1

Acid product for cleaning bricks or other siliceous materials

RIALTO ALKAL 1 is an acid fluoride-based product for cleaning bricks or other siliceous materials. Limestone and marble should be cleaned with **RIALTO ALKAL 2** (**RIALTO ALKAL 1** is not suitable for these supports).

PURPOSES

Thanks to its high viscosity **RIALTO ALKAL 1** easily adheres to vertical surfaces without excessive penetration into the treated material.

WORKING INSTRUCTIONS

- if the chemical composition of the substrate is not known, try both **RIALTO ALKAL 1** and **RIALTO ALKAL 2** on a small area to determine which works best
- dampen the surface to be treated with water before applying **RIALTO ALKAL 1**
- **RIALTO ALKAL 1** is a ready-to-use product that can be applied with a synthetic paintbrush
- allow 15-30 minutes before rinsing with cold water by using a pressure washer
- during the application avoid spilling the product on window panes or on nearby surfaces
- since the product contains a 12% acid fluoride solution, it is corrosive and toxic. Avoid contact with eyes, skin and clothes. In case of contact, inhalation or swallowing, rinse thoroughly and immediately with water. If complications occur, seek medical advice
- during application, ensure adequate room ventilation and use protective gloves, glasses and clothes
- do not eat or drink while handling the product. Once rinsing operations have been completed, deacidify the surface using **RIALTO NEUTRAL K1**
- it is advisable to apply **RIALTO ANTIGRAFFITI** or **RIALTO GRAFFITI PREVENTION** on walls usually subject to marking and graffiti, and to keep surfaces clean for a longer period of time
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average covering capacity of **RIALTO ALKAL 1** is 1.5-2.5 m²/l (60-100 sq.ft./gal), but it may vary depending on the nature of the substrate and on the amount of dirt to be removed.

PACKAGING

RIALTO ALKAL 1 is available in 10 l containers.

STORAGE

The product lasts for more than six months if kept in a tightly closed container. The storage room must be adequately ventilated. Keep out of the reach of children.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO ALKAL 2

RIALTO NEUTRAL K1

RIALTO ANTIGRAFFITI

RIALTO GRAFFITI PREVENTION



ALKAL 2

Alkaline product for cleaning limestone, concrete, travertine and marbles

RIALTO ALKAL 2 is a sodium hydroxide-based alkaline product for cleaning limestone, concrete, travertine and marbles. Bricks or other siliceous material should be cleaned with **RIALTO ALKAL 1** (**RIALTO ALKAL 2** is not suitable for these supports).

PURPOSES

Thanks to its high viscosity **RIALTO ALKAL 2** easily adheres to vertical surfaces without excessive penetration into the treated material.

WORKING INSTRUCTIONS

- if the chemical composition of the substrate is not known, try both **RIALTO ALKAL 1** and **RIALTO ALKAL 2** on a small area to determine which works best
- dampen the surface to be treated with water before applying **RIALTO ALKAL 2**
- **RIALTO ALKAL 2** is a ready-to-use product that can be applied with a synthetic paintbrush
- allow 45-60 minutes before rinsing with cold water by using a pressure washer
- during the application avoid spilling the product on window panes or other surfaces (especially aluminum or zinc)
- once rinsing operations have been completed, deacidify the surface using **RIALTO NEUTRAL K2**
- it is advisable to apply **RIALTO ANTIGRAFFITI** or **RIALTO GRAFFITI PREVENTION** on walls usually subject to marking and graffiti, and to keep surfaces clean for a longer period of time
- avoid contact with eyes, skin and clothes. In case of contact, inhalation or swallowing, rinse thoroughly and immediately with water. If complications occur, seek medical advice
- during the application, insure adequate room ventilation and use protective gloves, glasses and clothes
- do not eat or drink while handling the product
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average covering capacity of **RIALTO ALKAL 2** is 1.5-2.5 m²/l (60-100 sq.ft./gal), but it may vary depending on the nature of the substrate and on the amount of dirt to be removed.

PACKAGING

RIALTO ALKAL 2 is available in 10 l containers.

STORAGE

The product lasts for more than six months if kept in a tightly closed container. The storage room must be adequately ventilated. Keep out of the reach of children.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO ALKAL 1

RIALTO NEUTRAL K1

RIALTO ANTIGRAFFITI

RIALTO GRAFFITI PREVENTION



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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GRAFFITI BIO-REMOVER

Graffiti cleaner

RIALTO GRAFFITI BIO-REMOVER is advised to remove from facades spray paints, enamels and bills and restore the original aspect of the surfaces.

RIALTO GRAFFITI BIO-REMOVER is suitable to remove graffiti from pre-treated surfaces with **RIALTO GRAFFITI PREVENTION**, not on decorated plasters.

RIALTO GRAFFITI BIO-REMOVER is not toxic and can be washed away by using hot water.

PROPERTIES

RIALTO GRAFFITI BIO-REMOVER is marked by and stands out for the following characteristics:

- it removes any kind of graffiti without damaging the backing
- specific gravity: 1.03 ± 0.1 kg/l
- colorless product

PURPOSES

RIALTO GRAFFITI BIO-REMOVER is particularly suitable to treat any kind of absorbent surface, not decorated, that is damaged by the spray paints of graffiti. It is possible to treat several types of not decorated surface, as marble, natural and artificial stone, bricks, cement.

WORKING INSTRUCTIONS

- **RIALTO GRAFFITI BIO-REMOVER** is ready to use
- it is applied by brush, two coats at least, "wet on wet", at a temperature higher than 7°C (44°F)
- to ensure a good efficacy is advisable to wait some minutes and then wash it away by high pressure hot water at 90°C (194°F) and 80-100 bar without waiting the complete drying of the product
- when the graffiti have been removed, it is advisable to treat the surface **RIALTO GRAFFITI PREVENTION** to protect from possible new vandal inscriptions
- protect eyes and skin during application
- store the product at a temperature not exceeding 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized channels

COVERING CAPACITY

The average spreading rate of **RIALTO GRAFFITI BIO-REMOVER** is 0.3 m²/l (123 sq.ft./gal) for two coats. The spreading rate may vary according to the porosity of the surface to be treated.

An inadequate quantity of applied product may compromise the efficacy of the graffiti removal.

PACKAGING

RIALTO GRAFFITI BIO-REMOVER is available in 10l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO GRAFFITI PREVENTION

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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GRAFFITI PREVENTION

Colorless siloxane protection against graffiti, suitable for absorbent surfaces

RIALTO GRAFFITI PREVENTION is advised to protect any kind of surface from spray paints, enamels and from sticking up of bills, avoiding the penetration into the pores, even if already painted with mineral absorbent finishes, and at the same time keeping constant the permeability and the aesthetic aspect of the finish.

RIALTO GRAFFITI PREVENTION is a siloxane product, water-based, transparent, non-flammable, and can be simply washed away by hot water.

PROPERTIES

RIALTO GRAFFITI PREVENTION is marked by and stands out for the following characteristics:

- it can be applied to decorated plasters, provided surfaces are absorbent and the paints are mineral, the decoration will not be damaged
- graffiti can be easily removed using hot water
- it does not change the water vapor permeability of the coating
- it does not change the color tone or aspect of the finishes on which it is applied
- the treated surface becomes water repellent and fouling resistant
- specific gravity: 1 ± 0.1 kg/l
- pH: 6 ± 0.2
- viscosity : 200 ± 20 mPas
- dry residue: $47 \pm 2\%$ by weight

PURPOSES

RIALTO GRAFFITI PREVENTION is particularly suitable to treat any kind of absorbent surface that can be damaged by the spray paints of graffiti.

It is possible to treat several types of surfaces, as marble, natural and artificial stone, bricks, cement, even decorated plasters, provided the surfaces are absorbent and the paints are mineral and resistant to high pressure hot water washing.

REFERENCES

For further information regarding the mentioned products in this text, refer to the following product information sheets:

RIALTO ALKAL 1
RIALTO ALKAL 2
RIALTO SX 110-22

WORKING INSTRUCTIONS

- **RIALTO GRAFFITI PREVENTION** is ready to use
- it is applied by brush, two coats at least, "wet on wet"
- to ensure a perfect adhesion to backing, it is advisable not to apply **RIALTO GRAFFITI PREVENTION** to chalky or dusty surfaces
- if the surfaces are particularly dusty or polluted, a previous cleaning treatment with **RIALTO ALKAL 1** or **RIALTO ALKAL 2** is advised, according to the nature of the backing (see the respective technical sheet)
- graffiti or similar vandal inscriptions made after the **RIALTO GRAFFITI PREVENTION** treatment can be easily washed away by high pressure hot water at 90°C (194°F) and 80-100 bar
- when the graffiti have been removed, **RIALTO GRAFFITI PREVENTION** has to be applied once again to restore the former protection
- protect eyes and skin during application
- do not apply on frozen or overheated surfaces
- do not apply at air surface temperature below 7°C (44°F) or exceeding 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized channels

COVERING CAPACITY

The average spreading rate of **RIALTO GRAFFITI PREVENTION** is 3 - 4 m²/l (120-160 sq.ft./gal) for two coats. The spreading rate may vary according to the porosity of the surface to be treated.

An inadequate quantity of applied product may compromise the efficacy of the graffiti removal.

PACKAGING

RIALTO GRAFFITI PREVENTION is available in 10 l containers.

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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IDROVERNICIATORE H315

All-round water based paint remover

RIALTO IDROVERNICIATORE H315 is an environmentally friendly paint remover, based on a pirrolydone compound dissolved in water, able to remove paints and decorative coatings for walls.

PROPERTIES

RIALTO IDROVERNICIATORE H315 is marked by and stands out for the following characteristics:

- it works on the majority of decorative finishes including thick coatings
- it is not harmful
- it doesn't contain toxic substances
- its jelly structure reduces the risk of splashing, either for applicator or areas to be treated
- it has a good penetration property and slow evaporation, this allows to remove thick coatings entirely from the backing
- the product is non-flammable

PURPOSES

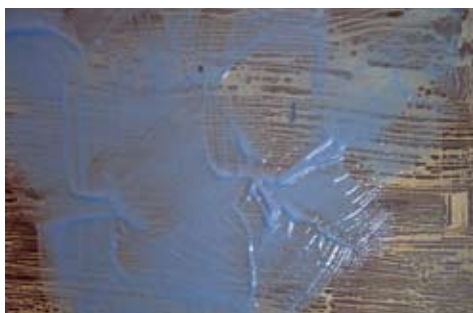
RIALTO IDROVERNICIATORE H315 is ideal to remove thick coatings, paints and enamels based on emulsion resins like: acrylic, styrol acrylic, esters of versatate acids, vinyl and different copolymers.

WORKING INSTRUCTIONS

RIALTO IDROVERNICIATORE H315 has to be applied by brush in a single generous coat (proportioned to the thickness of coating to be removed) and let it work for at least two hours. After that, it can be removed by spatula or can be washed away by high pressure water. In case of plasters with a very high thickness, it may be necessary to repeat the treatment.

Suggestions :

- protect window frames and any other surface not to be treated
- the quantity to apply depends on the nature of the coating to be removed (i.e. thickness, porosity, etc.)
- in case of further application of mineral coatings, after the treatment with **RIALTO IDROVERNICIATORE H315**, it is necessary to apply a coat of **RIALTO WALLCEM BIANCO** on the whole surface
- protect product in the container from frost and store at temperature above 5°C (41°F) and not exceeding 35°C (95°F)



COVERING CAPACITY

RIALTO IDROVERNICIATORE H315 has an average spreading rate of 0,5 l/ m² but may vary from 0.3 to 0.8 l/ m² depending on the nature of the coating to be removed

PACKAGING

RIALTO IDROVERNICIATORE H315 is available in 5 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO WALLCEM BIANCO

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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SX 5911 and SX 110-22

Permanently-active disinfectant and preventing solutions

RIALTO SX 5911 is a broad-spectrum sanitising solution against micro-organisms such as moulds, algae, and lichens.

To be applied on old surfaces if colonies of mentioned micro-organisms are present.

RIALTO SX 110-22 is a disinfectant additive, to prevent forming of micro-organisms such as moulds, algae, and lichens in paints, thick coatings and any other water-based system.

PROPERTIES

RIALTO SX 5911 is a liquid concentrate cleaning agent for sanitation of walls, it is based on isotiazolynone derivatives.

- specific gravity: $0,98 \pm 0.01$ kg/l

RIALTO SX 110-22 is a low toxicity disinfectant paste, suitable for water-based systems, as permanent protection of organic coatings, it is based on isotiazolynone derivatives.

- specific gravity: $0,96 \pm 0.01$ kg/l

PURPOSES

They can be used on exteriors and interiors, and applied to:

- plasters
- concrete
- bricks
- old paints
- plastic coatings
- natural and artificial stones

WORKING INSTRUCTIONS

- **RIALTO SX 5911** solution has to be diluted 1:10 with water, and applied on the surface by brush
- in case of extended and irregular surfaces, clean by high pressure water washing machine
- leave at least a couple of hours and then clean the surfaces mechanically by brush
- the removal of moulds algae and micro-organisms has to be done only after the disinfectant action of **RIALTO SX 5911**, never do it before. This is to avoid that the spores released by the micro-organisms, laying down on the surface and being still active, can facilitate and help the formation of new colonies even after a long period of time
- after having sterilised the surfaces, as mentioned, add to the finish product (water-based finish) from 2 to 4 % of **RIALTO SX 110-22**, in order to give a durable protection against moulds, fungi, and algae to the wall
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

RIALTO SX 5911 diluted 1:10 with water has an average spreading rate of 50 m²/l (228 sq.yd/gal), but may vary depending on the absorption rate of the material to be treated.

The consumption of **RIALTO SX 110-22** varies from 2 to 4% (by weight) of the finish to which it is added.

PACKAGING

RIALTO SX 5911 is available in 0.5 l containers.

RIALTO SX 110-22 is available in 0.5 l containers.

IMPORTANT NOTES

- it is advised to handle the product using rubber gloves and splash goggles
- both of the two products, undiluted, can cause irritation in case of contact with skin and eyes
- in case of any contact of the body with **RIALTO SX 5911** or **RIALTO SX 110-22**, rinse abundantly with water and soap
- in case of contact with eyes, rinse immediately with water and get medical attention
- do not drink or eat during the application of any of them
- dispose the product with care through authorized waste disposal plants

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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NEUTRAL K 1

Alkaline neutralising solution

RIALTO NEUTRAL K1 is a blend of neutralising agents with deeply penetrating detergent properties.

PURPOSES

RIALTO NEUTRAL K1 is indicated for the deacidification of surfaces previously treated with **RIALTO ALKAL 1**

WORKING INSTRUCTIONS

- dilute **RIALTO NEUTRAL K1** with 1:50 water
- it can be applied either by brush, roller or adding it directly to the water in the pressure washer
- do not apply **RIALTO NEUTRAL K1** with water temperature above 75°C (167°F)
- it contains 90% biodegradable non-ionic surface-active agents
- dispose of product with care
- dispose of waste through authorized waste disposal service

COVERING CAPACITY

The average covering capacity of **RIALTO NEUTRAL K1** is 20 m²/l (90 sq.yd/gal), but it may vary depending on the nature and porosity of the surface to be treated.

PACKAGING

RIALTO NEUTRAL K1 is available in 1 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO ALKAL 1

NEUTRAL K 2

Acid neutralising solution

RIALTO NEUTRAL K2 is a blend of neutralising agents with deeply penetrating detergent properties.

PURPOSES

RIALTO NEUTRAL K2 is indicated for the deacidification of surfaces previously treated with **RIALTO ALKAL 2** or other alkaline detergent.

WORKING INSTRUCTIONS

- dilute **RIALTO NEUTRAL K2** with 1:50 water
- it can be applied either by brush, roller or adding it directly to the water in the pressure washer
- do not apply **RIALTO NEUTRAL K2** with water temperature above 75°C (167°F).
- it contains 90% biodegradable non-ionic surface-active agents
- dispose of product with care
- dispose of waste through authorized waste disposal service

COVERING CAPACITY

The average covering capacity of **RIALTO NEUTRAL K2** is 20 m²/l (90 sq.yd/gal), but it may vary depending on the nature and porosity of the surface to be treated.

PACKAGING

RIALTO NEUTRAL K2 is available in 1 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO ALKAL 2

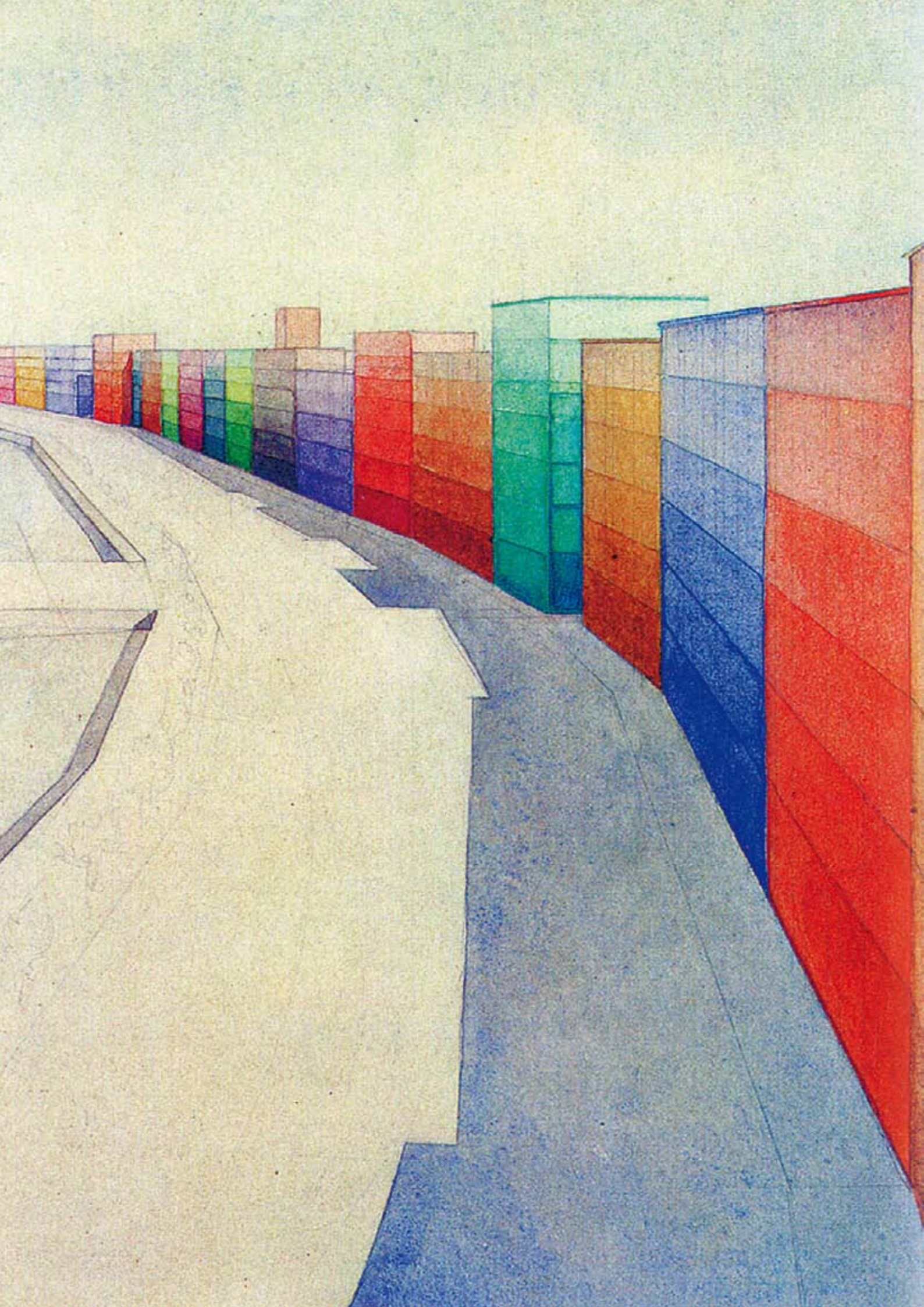
For further help or information regarding the products in the **RIALTO** range contact your local dealer.

Every care has been taken to ensure that the information provided in this technical data sheet is accurate. **Harpo** is unable to guarantee results as it has no control over the conditions under which its products are applied.

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The Quality Management System of HARPO spa meets the requirements of UNI EN ISO 9001:2000. Certificate No. IT03/0851



Concrete colors and protection

UNIBETON

48

rialto



UNIBETON

Colored water-repellent and anti-carbonatation paint for concrete walls

RIALTO UNIBETON grants a smooth, satin-like texture to concrete surfaces. It is made up of a terpolymer thermoplastic resin, pigments capable of withstanding UV rays and selected minerals.

PROPERTIES

RIALTO UNIBETON is marked by and stands out for the following characteristics:

- it protects concrete surfaces from carbonatation
- it allows surfaces to breathe (55 g/m² - 24h, DIN 53122 Regulations), $\mu=2115$, Sd=0.42 m
- it provides excellent adhesion (>13 kgf/cm²)
- it is resistant to UV rays (7 on the blue scale)
- it is water repellent
- it is easy to apply
- it is non-flammable
- it is not toxic (in compliance with EC regulations)
- it is resistant to abrasion: 14,000 Gardner cycles
- specific gravity: 1.34 ± 0.03 kg/l
- pH: 7.5 ± 0.2
- viscosity: $8,400 \pm 500$ mPas
- dry residue: $52 \pm 0.5\%$ by weight
- resin dry residue of total dry residue: $28.6 \pm 0.5\%$ by weight

PURPOSES

RIALTO UNIBETON is ideal for use on concrete surfaces. It makes these surfaces water repellent. It protects them and makes colors even without altering their overall appearance. **RIALTO UNIBETON** slows down concrete carbonatation.

COVERING CAPACITY

Average spreading rate: 6-9 m²/l (240-370 sq.ft./gal) for two coats. The spreading rate may vary according to the nature of the backing to which it is applied.

PACKAGING

RIALTO UNIBETON is available in 4 l and 15 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets :

RIALTO STABILIZER

RIALTO INTONAL

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, flights, etc.)
- remove any loose material before applying **RIALTO UNIBETON**
- any cracks on the surface to be treated should be filled in by using **RIALTO INTONAL** with 30% of Portland 325 cement and installing a **RIALTO FIBRATEx** glassfibre net
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER**
- mix **RIALTO UNIBETON** well before use in order to make it more homogeneous
- apply two coats of **RIALTO UNIBETON**, dilute first coat with 40% of water and second with 20%
- clean tools with water immediately after use
- do not apply in rainy and windy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- store **RIALTO UNIBETON** in its original container at temperatures ranging from 5°C (41°F) to 40°C (104°F)
- do not pollute the environment
- dispose of product with care
- dispose of waste through authorized waste disposal services

COLOR RANGE

RIALTO UNIBETON is available in a wide range of colors.

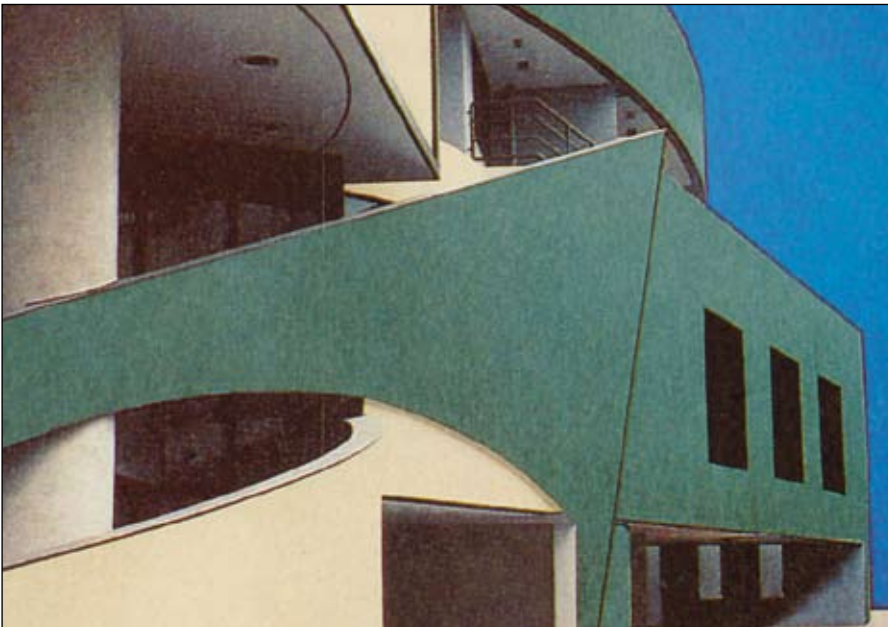
See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 75 l

Product of the same batch number should be used for a job.

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Plasters line for renovation

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ANTISALE SA

Antisalt dehumidifying solution

RIALTO ANTISALE SA is a water solution mainly made up of inorganic acid and alkaline earth halosilicate.

As well as having antisalt properties, it also has a dehydrating and strengthening effect, since it fixes and chemically converts the hygroscopic salts present in the masonry and transforms them into stable insoluble compounds which, when deposited in the micro porosity of the masonry, prevent dampness.

PURPOSES

RIALTO ANTISALE SA in combination with **RIALTO DEUMIDIFICANTE UD**, is indispensable when restoring masonry surfaces and old structures with damp walls, even with a high concentration of chlorides, nitrates, sulphates, etc.

RIALTO ANTISALE SA is ideal for:

- renovation and conservation of buildings
- unsound basements and cellars
- new buildings

RIALTO ANTISALE SA can be applied to the following surfaces:

- bricks or insulating tiles
- stone walls
- tuff and sandstone walls
- reinforced concrete walls

WORKING INSTRUCTIONS

- scale the damaged plaster to 1 meter above the damp area until a sound surface is obtained
- remove any loose material, chalk and foreign matter
- strip the joints between the stones or bricks to a depth of at least 2 centimeters
- apply a coat of **RIALTO ANTISALE SA**, diluted 1:1 with water, using a brush or low-pressure spray
- allow at least 6 hours before applying the second coat in summer and at least 8-10 hours in winter but never more than 48 hours
- **RIALTO ANTISALE SA** is applied starting from the bottom and working upwards until the surface is saturated
- protect floors, windows, door and window-jambs, ceramic coatings etc
- wear goggles and gloves while using the product and a mask if applying by spray
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average consumption of **RIALTO ANTISALE SA** varies between 0.3 and 0.5 kg/m² (0.5-0.9 lb/sq.yd), depending on the absorption rate of the surface.

PACKAGING

RIALTO ANTISALE SA is available in 5 and 20 kg plastic containers.

Store the product, sealed in its original container, away from light and at temperatures of above 7°C (44°F) and not exceeding 30°C (86°F)

In case of sedimentation shake well before use.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO DEUMIDIFICANTE UD

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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DEUMIDIFICANTE UD

Microporous dehumidifying plaster

RIALTO DEUMIDIFICANTE UD has been formulated and produced after years of testing under every condition in order to solve the problems created by damp walls and, as a result, inhabited environments. The particular physical structure of **RIALTO DEUMIDIFICANTE UD**, on account of its microporosity, allows the water in the wall to escape as water vapor. In this way, the salts do not reach the surface, as they have not been made soluble. Within the wall, as we know, the salts do not create any problems because, since they do not crystallize, they do not increase in volume. The high permeability of **RIALTO DEUMIDIFICANTE UD** is due to its microporous structure which creates a wide surface of contact with the air which leads to a continuous and definitive drying of the wall to which it is applied thereby making it sounder.

Unsound rooms treated with **RIALTO DEUMIDIFICANTE UD** are restored to optimum conditions. At the same time, **RIALTO DEUMIDIFICANTE UD** keeps exterior surfaces free from visible deterioration and intact for a long time.

PURPOSES

Restoration of masonry and structures affected by dampness, even those with a high concentration of salts such as chlorides, nitrates, sulphates etc.

Suitable surfaces:

- brick walls
- stone walls
- mixed walls
- reinforced concrete walls

TECHNICAL DATA

- specific gravity: 1.70 ± 0.02 kg/l
- covering capacity: 17 kg/m² per cm of thickness
- compressive strength (28 days): 18 N/mm²
- flexure strength (28 days): 4.10 N/mm²
- packaging: 25 kg (55 lb) polyethylene bags
- water vapor permeability:
Sd=0.3 m for 3 cm thickness, $\mu=10$

WORKING INSTRUCTIONS

- remove old damaged plaster to at least 1m above the damp area
- clean old surfaces carefully removing loose material, chalk and foreign matter, such as old pieces of wood, which are not parts of the supporting structure
- apply a coat of **RIALTO ANTISALE SA** only if there is a high concentration of salts.
- when applying to very absorbent surfaces or when applying on hot windy days, wet surface a few hours before applying **RIALTO DEUMIDIFICANTE UD**

PREPARATION

RIALTO DEUMIDIFICANTE UD is supplied in 25 kg (55 lb) polyethylene bags.

Prior to use add:

- 5 kg of Portland Cement
- 5 kg of air-hardening lime

The mixture can be made by hand or using a cement mixer making sure to add about 5-6 liters of water to each bag

APPLICATION

- apply by hand or using a plaster sprayer. The minimum thickness should not be less than 2 cm.
- apply a thin roughing-in coat of **RIALTO DEUMIDIFICANTE UD**.
- after 1-2 hours apply the backfill of **RIALTO DEUMIDIFICANTE UD** making sure not to exceed 2 cm per coat. Apply while previous coat is drying.
- finally apply a finishing coat like our **RIALTO MALTA FINE FM** based on slaked lime and clean fine sand.
- in case of application on reinforced concrete surfaces, first coat must be prepared adding **RIALTO MATONAL** in proportion 1:3 to the mixture D
- do not apply in rainy weather, when temperatures are below 7°C (44°F) or higher than 30°C (86°F) and never on surfaces either frozen or overheated by the sun
- dispose of product with care
- dispose of waste through authorized waste disposal services

FINAL PROTECTION

When using **RIALTO DEUMIDIFICANTE UD**, the final color and protection should be given using shades and coating which are very permeable to water vapor and, if possible, with a slaked lime base. (see **RIALTO EPOCA OTTOCENTO**, **RIALTO ANTIQUA**, **RIALTO DOMOSIL** tech sheets)

COVERING CAPACITY

Coverage of **RIALTO DEUMIDIFICANTE UD** per square meter and per centimeter in thickness total 17 kg (8.6 lb/sq.ft./inch).

PACKAGING

RIALTO DEUMIDIFICANTE UD: 25 kg (55 lb) plastic bags

RIALTO MALTA FINE FM: 30 kg (66 lb) plastic bags

RIALTO ANTISALE SA: 5 kg (11 lb) plastic bags

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO EPOCA OTTOCENTO

RIALTO ANTIQUA

RIALTO DOMOSIL

RIALTO ANTISALE SA

RIALTO MALTA FINE FM

RIALTO MALTA GREZZA GM

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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MALTA FINE FM

Ready mixed wet mortar for stabilizing plaster

RIALTO MALTA FINE FM is composed of slaked lime obtained by means of firing river pebbles in a wood oven, after mixing with selected silica sand in the correct granulometric proportion. It is then left to rest for at least 3 months. The composition of this mortar allows the finishing of coarse or mixed (lime and cement) plaster which gives a soft and smooth texture.

Adding **RIALTO COCCIOPESTO CC** to **RIALTO MALTA FINE FM** leads to a hydraulic reaction which improves its characteristics and therefore increases mechanic, chemical and physical resistance more quickly, while giving a light pink color.

RIALTO MALTA FINE FM and **RIALTO COCCIOPESTO CC** are natural products and contain no traces whatsoever of cement or any other additive.

PROPERTIES

RIALTO MALTA FINE FM, used either on its own or with **RIALTO COCCIOPESTO CC**, is marked by the following characteristics:

- it is applicable for a considerable amount of time: mortar mixed in the morning may be used throughout the day
- it is highly plastic: this avoids waste and reduces application time both in manual and machine-assisted spreading
- it has remarkable adhesion properties.
- it is permeable by water vapour
- it is resistant to mould
- specific gravity: 1.6 kg/l
- pH: > 11.5

Color of product when dry: light grey

Color of product with added **RIALTO COCCIOPESTO**: light pink

COVERING CAPACITY

Coverage of **RIALTO MALTA FINE FM** on coarse plaster per square meter totals: 2 - 3 kg/ m² (3.6-5.4 lb/sq.yd).

PURPOSES

Thanks to its composition obtained in accordance with the most rigorous traditions, **RIALTO MALTA FINE FM** is marked by unique and indispensable characteristics for restoring old and ancient plaster.

The use of natural materials and the exclusion of any synthetic or cement derived additives makes **RIALTO MALTA FINE FM** perfectly compatible with Natural and Biological Architecture.

This product is ideal for:

- conservation work carried out on buildings (stabilizing plaster)
- projects complying with the criteria of Bio-ecological architecture

Suitable surfaces:

- old whitewash walls
- new mortar or walls covered with cement lime mortar (mortar and cement)
- walls finished with cement or modern pre-mixed products, provided the adhesion of **RIALTO MALTA FINE FM** has been tested

PACKAGING

RIALTO MALTA FINE FM: 30 kg plastic bags.

RIALTO COCCIOPESTO CC: 25 kg plastic bags.

This product should be kept away from strong acids. If stored for more than 18 months, this product should not be exposed to temperatures lower than 5°C (41°F) or exceeding 35°C (95°F).

WORKING INSTRUCTIONS

On old plasters:

- remove all loose material and fill in holes using **RIALTO MALTA GREZZA GM**, mixed with **RIALTO COCCIOPESTO CC**.

On new plasters:

- leave coarse mortar to dry (at least 5 - 6 days after application)
- dampen or wet surface in order to reduce and harmonize the wall absorption
- mix 4 kg of **RIALTO COCCIOPESTO CC** with every 30 kg bag of **RIALTO MALTA FINE FM**
- apply mortar with trowel and sand surface with sponge float
- do not apply of **RIALTO MALTA FINE FM** when the temperature of the wall or the air is lower than 5°C (41°F) or higher than 35°C (95°F)
- lime is irritant, protect eyes and skin when using this product. In case of prolonged contact, rinse well with water

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO MALTA GREZZA GM



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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MALTA GREZZA GM

Ready mixed wet coarse mortar

RIALTO MALTA GREZZA GM is composed of slaked lime which is left to rest for 3 months. This mortar is obtained by means of firing river pebbles in a wood oven, after mixing with selected silica sand in the correct granulometric proportion. Its composition is calibrated to obtain plaster allowing optimum adhesion of lime-based finishes, both with regard to thickness and shade.

Adding **RIALTO COCCIOPESTO CC** when using **RIALTO MALTA GREZZA GM** leads to a hydraulic reaction which improves its characteristics and therefore increases mechanic, chemical and physical resistance more quickly.

RIALTO MALTA GREZZA GM and **RIALTO COCCIOPESTO CC** are natural products and contain no traces whatsoever of cement or any other additive.

PROPERTIES

RIALTO MALTA GREZZA GM, used either on its own or with **RIALTO COCCIOPESTO CC**, is marked by the following characteristics:

- it is applicable for a considerable amount of time: mortar mixed in the morning may be used throughout the day
- **RIALTO MALTA GREZZA GM** is highly plastic: this avoids waste and reduces application time both in manual and machine-assisted spreading
- it has remarkable adhesion properties
- it is permeable by water vapour: its macro porous structure allows walls to breathe, which prevents plaster from becoming loose and condensation from building up inside walls
- it is resistant to mould
- its elastic module is very low. As a result, **RIALTO MALTA GREZZA GM** adheres to all surfaces, therefore reducing cracking to the lowest degree
- it is resistant to compression: 35 kg/cm² after 60 days - 62 kg/cm² after 180 days
- specific gravity: 1.6 Kg/l
- pH: > 11.5

Color of product when dry: light grey.

Color of product with added **RIALTO COCCIOPESTO CC**: light pink.

PURPOSES

Thanks to its composition, obtained in accordance with the most rigorous traditions, **RIALTO MALTA GREZZA GM** is marked by unique and indispensable characteristics for plastering walls and old constructions.

The use of natural materials and the exclusion of any synthetic or cement derived additives makes **RIALTO MALTA GREZZA GM** perfectly compatible with Natural and Biological Architecture.

This product is ideal for:

- conservation work carried out on buildings (plaster, bedding).
- exterior and interior masonry surfaces in new buildings.
- bedding mortar between insulating bricks to prevent thermal dispersion.
- projects complying with the criteria of Bio-ecological Architecture.

Prior to use, all surfaces should be clean and suitably dry. Under these conditions, **RIALTO MALTA GREZZA GM** used either on its own or with **RIALTO COCCIOPESTO CC** may be applied on the following surfaces:

- standard and thermo insulating bricks;
- stone;
- concrete;
- reinforced plaster boards.

WORKING INSTRUCTIONS

- remove all loose material and fill in holes using **RIALTO MALTA GREZZA GM** mixed with **RIALTO COCCIOPESTO CC**.
- remove all traces of chalk from wall.
- dampen or wet surface in order to reduce and harmonize the wall absorption
- mix 4 kg of **RIALTO COCCIOPESTO CC** with every 30 kg bag of **RIALTO MALTA GREZZA GM**. Do not use grinding mixer so as not to ruin the pre-determined granulometry of the aggregates.
- apply a thin layer (3 - 5 mm) and leave to dry for at least 24 hours. If you wish to apply a thick layer of mortar, you are advised to apply a series of 1 - 1.5 cm layers until you reach the desired thickness. Leave each layer to dry completely before applying next one. Drying time depends upon weather conditions and the particular kind of surface (at least 2 - 3 days).
- should cracks appear in the wall, they can be eliminated very easily by using a trowel, even after one day, thanks to the product's high degree of elasticity. Use **RIALTO MALTA FINE FM** to fill any remaining cracks.
- apply a finishing layer of **RIALTO MALTA FINE FM** after the coarse layer has been left to dry for at least 5 - 6 days.
- if application of **RIALTO ANTIQUA 1** or **RIALTO EPOCA OTTOCENTO** is requested, leave the coarse layer to dry for at least 1 month, then apply a coat of siloxane sealer **RIALTO ISOCAL** as basecoat to the final lime finish
- do not apply **RIALTO MALTA GREZZA GM** when temperature of the wall or the air is lower than 7°C (44°F) or higher than 35°C (95°F).
- lime is irritant, protect eyes and skin when using this product. In case of prolonged contact, rinse well with water.

COVERING CAPACITY

Coverage of **RIALTO MALTA GREZZA GM** per square metre and per centimetre in thickness totals 16 kg (8.1 lb/sq.ft./inch).

Coverage of **RIALTO MALTA GREZZA GM** with **RIALTO COCCIOPESTO CC** per square meter and per centimeter in thickness totals 14 kg (**RIALTO MALTA GREZZA GM**) and 2 kg (**RIALTO COCCIOPESTO CC**).

PACKAGING

RIALTO MALTA GREZZA GM: 30 kg plastic bags.

RIALTO COCCIOPESTO CC: 25 kg plastic bags.

Keep this product away from strong acids. If stored for more than 18 months, this product should not be exposed to temperatures lower than 5°C (41°F) or higher than 35°C (95°F).

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO MALTA FINE FM

RIALTO ANTIQUA

RIALTO EPOCA OTTOCENTO

RIALTO ISOCAL



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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Primers and basecoats

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DURASIL

Permanent consolidating and water vapour permeable antisoiltloom, for interiors and exteriors

RIALTO DURASIL is a colorless water-based single-component solution, based on an alkylsilane emulsion.

PROPERTIES

RIALTO DURASIL is marked by and stands out for the following characteristics:

- it is ready to use
- it is a water-repellent and hardening treatment for plaster, reinforced concrete, bricks, and any other porous stone material
- it dramatically reduces the risk of salt formation
- it reduces the risk of infiltration through plaster cracks
- it is effective against the aggressive action of acid rain
- it is highly resistant to alkalis and acids
- it does not alter water vapor permeability of the treated material
- it is long lasting
- it dries without creating glossy or tacky surfaces
- it is non-flammable
- It can be painted over after 48 hours

PURPOSES

- provided the building materials are completely dry and absorbent with a medium or high porosity, **RIALTO DURASIL** can be applied to:
 - normal plasters
 - premixed plasters
 - reinforced concrete
 - fiber cement
 - tuff
 - special plasters with preventive or restoring action against moisture
 - it is the ideal sealing undercoat to **RIALTO EPOCA OTTOCENTO**, **RIALTO EPOCA SPATOLATO**, **RIALTO EPOCA MARMO**, **RIALTO ANTIQUA**, **RIALTO DOMOSIL** and **RIALTO SOLUTION** and to the siloxane thick coatings
 - **RIALTO DURASIL** cannot be applied to low porosity non-absorbent materials. More specifically, when treating natural stone, a trial coat is advisable.
- RIALTO DURASIL** does not leave a pearly effect since the slow chemical reaction allows complete product absorption by the treated material

WORKING INSTRUCTIONS

- best if applied with low pressure spray (0.5 bar) or by brush
- apply **RIALTO DURASIL** to fully saturate clean and dry surfaces
- cracks wider than 0.5 mm should be filled prior to application of **RIALTO DURASIL**
- when using a brush or roller, apply second coat while first coat is still wet
- absorption must be even
- do not apply to surfaces either frozen or overheated by the sun
- do not apply in rainy weather or at temperatures below 5°C (41°F) and over 35°C (95°F)
- clean tools immediately after use with turpentine and then with water and normal detergent
- store in a dry place at temperatures below 30°C (86°F) and above 5°C (41°F). In these conditions, the product will last for more than 12 months
- the **RIALTO DURASIL** finish will cure in approximately 15 days after application
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average covering capacity is 6 - 8 m²/l (28-36 sq.yd/gal) on normal plaster, but it may vary considerably according to the nature and absorption rate of the material

PACKAGING

RIALTO DURASIL is available in 5 l and 20 l containers

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO EPOCA OTTOCENTO

RIALTO EPOCA MARMO

RIALTO ANTIQUA

RIALTO EPOCA SPATOLATO

RIALTO DOMOSIL

RIALTO CARSO

RIALTO DURALBO

RIALTO ERALIT

RIALTO ROLLER

RIALTO MARINA

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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ECO FONDO

Adhesion promoter with high hiding power for interiors

RIALTO ECO FONDO has a white opaque sandy appearance. It is mainly composed of special vinyl copolymer, and selected different-sized aggregates like marble dust, titanium dioxide and special additives.

PROPERTIES

RIALTO ECO FONDO is marked by and stands out for the following characteristics:

- it has a high water vapor permeability (UNI EN ISO 7783-2:2001 Regulation)
- it can be easily applied using either a brush or roller
- it is water-based
- it is water thinnable, max 10%
- it is non-flammable
- specific gravity: 1.58 ± 0.05 Kg/lt
- pH = 7.2 ± 0.5
- extremely low VOC (Maximum 18g/l)

PURPOSES

RIALTO ECO FONDO is the ideal basecoat to ensure a good adhesion of finishing products based on organic binders. It can be applied over many substrates, especially gypsumboard/drywall.

Provided the surfaces are sound, firm and dry, and do not need any leveling layer, **RIALTO ECO FONDO** as well as suggested for gypsumboard/drywall, can be applied to:

- fine plasters
- concrete
- prefabricated elements
- **RIALTO WALLCEM**
- sound old paints based on organic binders

WORKING INSTRUCTIONS

- directly over dry and clean gypsumboard/drywall; not to use in case of evident signs of dampness, tannins or moulds.
- on new plasters, wait at least 28 days for complete drying.
- on old plasters, remove loose and dusty paints, remove possible grease stains, and verify that surface has not been previously treated with silicon protective coating or similar colorless paints. Restore possible damages with mortar and let it dry for at least 28 days before applying **RIALTO ECO FONDO**
- if necessary, smooth down the surface using **RIALTO WALLCEM** before applying **RIALTO ECO FONDO**
- if the surface is dusty or too absorbent, apply a coat of **RIALTO PRIMER** diluted with 10 parts of water in order to reduce absorption before applying **RIALTO ECO FONDO**
- clean brushes and any other tools with water immediately after use
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average covering capacity is 7 m²/kg (34 sq.ft./lb), single coat, but it may vary considerably according to the nature and absorption rate of the substrate.

PACKAGING

RIALTO ECO FONDO is available in 20 kg (44 lb) and 5 kg (11 lb) containers.

REFERENCES

For further information regarding the products mentioned in the text, see the following technical sheets:

RIALTO WALLCEM BIANCO

RIALTO WALLCEM GRIGIO

RIALTO PRIMER

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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FONDO DI ADERENZA

All-round mineral adhesion primer based on silicates

RIALTO FONDO DI ADERENZA has a white opaque sandy appearance.

It is based on potassium silicate, selected graded micronized aggregates like quartz, titanium dioxide, sands and special additives.

PROPERTIES

RIALTO FONDO DI ADERENZA stands out for the following characteristics:

- it has a high water vapor permeability: 370 gr/m² - 24 hours, (ASTM E96) $\mu=300$, Sd=0.06 m
- it can be easily applied using either a brush, roller or conventional sprayer
- it is water-based
- it is water thinnable, max 10%
- it is non-flammable
- it adheres perfectly to any porous backing
- average specific gravity:
FONDO DI ADERENZA 1 1.52 ± 0.05
FONDO DI ADERENZA 2 1.54 ± 0.05
- pH = 12.5 ± 0.5

PURPOSES

RIALTO FONDO DI ADERENZA is the ideal base coat to ensure a good adhesion of mineral finishes, especially those based on silicates or grassello di calce (seasoned slaked lime).

- **RIALTO FONDO DI ADERENZA** is available in two types:
- **FONDO DI ADERENZA 1 (fine)**
- **FONDO DI ADERENZA 2 (coarse)**

Provided the surfaces are sound, firm and dry, **RIALTO FONDO DI ADERENZA** is suitable for the following applications:

- plasters
- concrete
- plasterboards
- **RIALTO WALLCEM**
- old mineral paints or old paints with organic binders

WORKING INSTRUCTIONS

- on new plasters wait at least 28 days for complete drying
- on old plasters remove loose and dusty paints, remove possible grease stains, and verify that surface had not been previously treated with silicon protective coating or similar colorless paints. Restore possible damages with mortar. Let it dry for at least 28 days. If necessary, smooth down the surface using **RIALTO WALLCEM**
- in case of structural cracks or shrinkage of the plaster see the leaflet **RIALTO ELASTOMERIC TREATMENT**
- after application of **RIALTO FONDO DI ADERENZA** wait at least 48 hours before applying the final decorative coating
- **RIALTO FONDO DI ADERENZA** is not advised on surfaces with evident signs of saltpetre or dampness.
- clean brushes and any other tools with water immediately after use
- do not apply if there is a risk of rain, or at temperatures below 8°C (46°F) or higher than 27°C (80°F). Do not apply on frozen or overheated substrates, in presence of strong wind, or in case of humidity higher than 80%
- because of the high pH of the product, it is recommended the use of protective gloves and goggles
- if the product is stored in its original container at temperatures between 5°C (41°F) and 30°C (86°F) it will last for more than 12 months
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average spreading rate of **RIALTO FONDO DI ADERENZA 1** is 5 - 7 m²/kg (25-34 sq.ft./lb) of **RIALTO FONDO DI ADERENZA 2** is 3.5 m²/kg (16 sq.ft./lb)

The spreading rate may vary according to the porosity of the surface to be treated.

PACKAGING

RIALTO FONDO DI ADERENZA is available in 20 kg (44 lb) and 5 kg (11 lb) containers.

COLOR RANGE

RIALTO FONDO DI ADERENZA is available in white color.

REFERENCES

For further information regarding the products mentioned in the text, see the following technical sheets:

RIALTO WALLCEM BIANCO

ELASTOMERIC TREATMENT LEAFLET



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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INTONAL

Elastomeric resin based ready mortar for interiors and exteriors

RIALTO INTONAL plaster is made up of selected silica sands in a specific granulometric proportion, a thermoplastic binder reinforced with alkali-resistant fibres, and selected additives providing perfect adhesion.

PROPERTIES

RIALTO INTONAL is marked by and stands out for the following characteristics:

- it has high degree of permanent elasticity
- it provides excellent adhesion (10 kgf/cm²)
- it is extremely stable in time
- permeability by water vapor:
38 gr/m² (ASTM - E 96 regulations), $\mu=353$, Sd=0.56 m
- it is suitable for virtually every water-resin finishing product
- it is ready to use
- it is easy to apply with a spatula
- it dries very quickly
- it is not flammable
- specific gravity: 1.66 ± 0.03 kg/l
- pH: 7 ± 0.2
- viscosity: $27,000 \pm 500$ mPas
- dry residue: 77.3 ± 0.5 % by weight

PURPOSES

RIALTO INTONAL is particularly suitable for:

- sealing cracked plaster surfaces
- protection and restoration of exterior facades

Provided the surfaces are clean, dry and free of traces of grease and oil, **RIALTO INTONAL** may be applied to:

- fine plasters
- coarse plasters
- concrete
- bricks
- prefabricated panels
- expanded clay-based concrete
- plasterboards

WORKING INSTRUCTIONS

- remove any loose material before applying **RIALTO INTONAL**
- if cracks are visible on the surface, it is advisable to install a **RIALTO FIBRATEX** alkali-resistant glass fibre net
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER**; allow at least 12 hours before applying **RIALTO INTONAL**
- before applying product, make sure it is well mixed
- use a stainless steel spatula to apply **RIALTO INTONAL**
- this product requires approximately 6 hours to dry; drying time, however, may vary as a result of the weather and the thickness of the layer applied
- if the high degree of elasticity is not particularly relevant and/or if thick layers are to be applied, 30% of Portland 325 cement can be added to **RIALTO INTONAL** in order to increase workability time and make finished surface smoother
- it is not advisable to apply **RIALTO INTONAL** to surfaces with traces of potassium nitrate and/or rising damp
- clean tools with water immediately after use
- do not apply **RIALTO INTONAL** in rainy weather or when temperatures are below 7°C (44°F)
- store **RIALTO INTONAL** in its original container and protect it from frost and temperatures exceeding 30°C (86°F)
- do not pollute the environment
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average spreading rate of **RIALTO INTONAL** is 2.5 kg/m² (4 lb/sq.yd). This value may vary depending on the absorption rate of the material to be treated.

PACKAGING

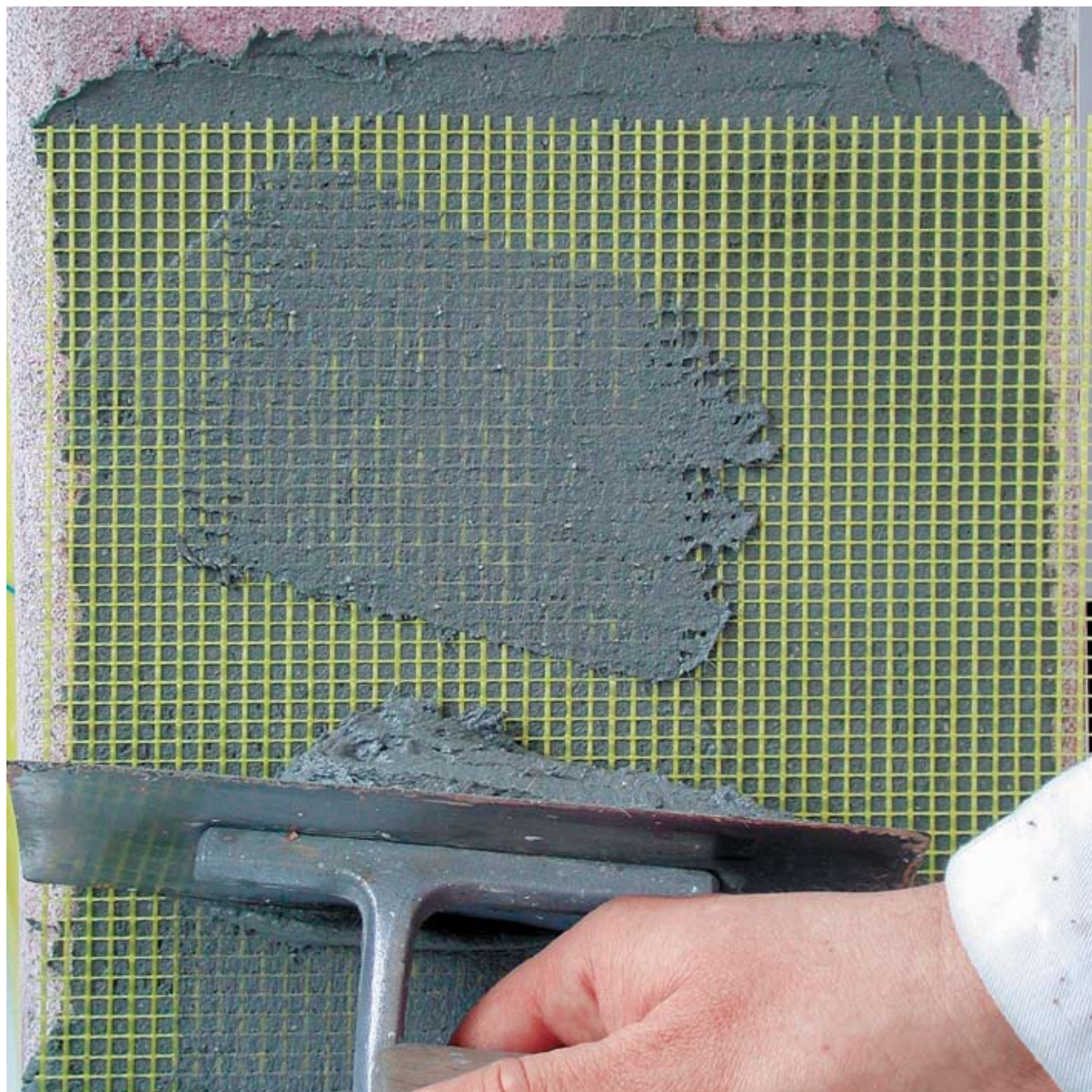
RIALTO INTONAL is available in 5 kg and 25 kg containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO STABILIZER

ELASTOMERIC TREATMENT LEAFLET



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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ISOCAL

Permanent antiefflorescence siloxane primer for interiors and exteriors

RIALTO ISOCAL is a transparent, single-can solution based on oligomeric organosiloxane and aliphatic solvents.

PROPERTIES

RIALTO ISOCAL is marked by and stands out for the following characteristics:

- it is ready for use
- it drastically reduces the risk of water penetration and salt extraction from walls
- it is highly resistant to alkalis
- it does not alter the water vapor permeability of the treated material
- it penetrates deeply
- it is long lasting
- it does not alter color of treated material
- it dries without creating glossy or tacky surfaces
- specific gravity: 0.79 ± 0.01 kg/l

PURPOSES

Provided the absorbent building material has a medium or high porosity, **RIALTO ISOCAL** can be applied to:

- normal plasters
- premixed plasters
- reinforced concrete
- bricks
- stone
- artificial stone
- tuff

as undercoat to:

- **RIALTO EPOCA OTTOCENTO**
- **RIALTO EPOCA SPATOLATO**
- **RIALTO EPOCA MARMO**
- **RIALTO ANTIQUA**
- **RIALTO DOMOSIL**
- **RIALTO SILOXANE THICK COATINGS**

It cannot be applied to low porosity materials. When treating natural stone a trial coat is advisable. **RIALTO ISOCAL** does not leave a film since the chemical reaction allows complete absorption.

WORKING INSTRUCTIONS

- apply using preferably low-pressure spray (0.5 bar), roller or brush
- apply liberally on clean dry surfaces
- cracks wider than 0.5 mm should be filled prior to application of **RIALTO ISOCAL**
- when using brush or roller, apply second coat while first coat is still wet
- absorption must be homogeneous
- do not apply on frozen or overheated surfaces
- do not apply in wet weather or at temperatures below 5°C (41°F)
- clean equipment immediately after use with turpentine and then with water and normal detergent
- this product is flammable. Do not expose to naked flame, sparks or any other source of heat
- seal after use
- store in dry place at temperatures below 30°C (86°F) and above 5°C (41°F). In these conditions the product will last for more than six months
- any spillage should be removed immediately with turpentine or petrol
- total effect should be obtained 20 days after application
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The spreading rate of **RIALTO ISOCAL** is approximately 2.5 m²/l (100 sq.ft./gal) on plaster in good conditions.

This value may vary depending on the absorption rate of the material to be treated.

PACKAGING

RIALTO ISOCAL is available in 5 l and 20 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets :

RIALTO EPOCA OTTOCENTO

RIALTO EPOCA SPATOLATO

RIALTO EPOCA MARMO

RIALTO ANTIQUA

RIALTO DOMOSIL

RIALTO SILOXANE THICK COATINGS



An absorbing
surface treated with
RIALTO ISOCAL

Without
RIALTO ISOCAL

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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MATONAL

Multipurpose reinforced latex for lime-and-cement mortar

RIALTO MATONAL is a latex for cement-based building material. It is composed of a highly elastic thermoplastic binder, mineral aggregates with a specific granulometric curve, special additives and alkali-resistant synthetic fibers for the reinforcement of the mixture.

PROPERTIES

RIALTO MATONAL is added to sand and cement, as directed, to obtain a mortar with the following characteristics:

- it allows adhesion to the most difficult surfaces
- it does not shrink
- it improves the workability of the mixture for the easier application.
- it reduces the risk of crack formation, even if thin layers (3 mm minimum) are applied
- it has higher plaster elasticity
- specific gravity: 1.15 ± 0.02 kg/l
- pH: 6.0 ± 0.5
- viscosity: $\pm 7,200$ mPas
- dry residue: $46 \pm 1\%$ by weight.

Maximum mechanical strength can be reached 27 days after application.

PURPOSES

Mixtures made with **RIALTO MATONAL** are used for the fixing (see formulation "A" in the chart at the end of this technical sheet) and coating of insulating panels embedding the fiber net **RIALTO FIBRATEx** (see formulation "B"), for the insulation of exterior and interior surfaces and for the restoration of old building facades (see formulations "B" and "C").

Provided the surfaces are clean, dry and free of greasy marks, the mixtures prepared with **RIALTO MATONAL** can be applied to the following:

- insulating panels (as a fixing or leveling agent)
- rustic plasters
- decorative bricks
- prefabricated panels
- concrete
- fine plasters
- plastic coatings

WORKING INSTRUCTIONS

- obtained mixtures can be easily applied using a stainless steel trowel, spreading the plaster with even thickness and leveling it off when it starts hardening
- for the restoration of old, dusty or friable plaster, a coat of **RIALTO STABILIZER** should be applied first.
- if the surface of insulating panels is dusty (for example, panels left in the sun for several days), a coat of **RIALTO PRIMER** diluted with 1:6 water should be applied first.
- wash trowel with water from time to time taking care not to wet the surface
- when product is left to dry, protect the surface from direct sunlight, rain and frost
- do not apply in rainy or windy weather, when temperatures are below 7°C (44°F) or higher than 30°C (86°F) and never on surfaces either frozen or overheated by the sun or in case of strong wind
- dispose of product with care
- dispose of waste through authorized waste disposal services.

COVERING CAPACITY

For **RIALTO MATONAL** covering capacity, see the chart at the bottom of this page ("Suggested formulations"):

PACKAGING

RIALTO MATONAL is available in 20 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO STABILIZER

RIALTO PRIMER

ELASTOMERIC TREATMENT LEAFLET

SUGGESTED FORMULATIONS

PURPOSE	blend mixture type	RIALTO MATONAL	cement 325	sand	sand max size	water	consumed product quantity liter. mm/mm ²
Mortar for fixing insulating panels	A	2	3	3	0.5 mm	a.n.	0.250
Fine mortar for plastering overinsulating panels and cracked surfaces	B	2	3	4	0.6 mm	a.n.	0.220
Mortar for scratch coats on bricks, stone, concrete, plaster, prefabricate panels, etc. Mortar for patches, corners, moulding, etc.	C	2	3	6	2 mm	a.n.	0.180

Quantity in volume "a.n." as needed, to obtain desired workability

ELASTOMERIC TREATMENT
restoration systems for surfaces subject to cracks

MENT
THICK COATING
A protection of concrete or brick facades subject to cracks.

Automatic treatment with **RIALTO JAL** or **RIALTO MATONAL - THICK** allows restoration of interior or exterior surfaces with concrete and brick, applied to cracks up to 2 mm wide, with the application of a media and a release for cracks.

RIALTO BITONAL and **RIALTO MATONAL** allow coverage of cracks deeper than 2 mm. Therefore, they are particularly suited for surfaces with slight imperfections.

As a part of the treatment, it is possible to use both an acrylic and a stone **THICK COATING** to achieve the desired result: looking from the outside, the crack is covered by **RIALTO CANARO** 1 or 2, the release coating **RIALTO SUPRALIT**, is followed by **RIALTO ERALIT**.

	For cracks < 0.5 mm	For cracks < 2 mm
approx. 50 mlt	approx. 50 mlt	approx. 50 mlt
approx. 6 mlt	approx. 6 mlt	approx. 6 mlt
stone, broken 1.5 mm (1 coat)	approx. 1.5 kg/m ²	approx. 1.5 kg/m ²
RIALTO JAL 2.5 kg/m ²	approx. 2.5 kg/m ²	approx. 2.5 kg/m ²
Portland 0.50 kg/m ²	approx. 0.50 kg/m ²	approx. 0.50 kg/m ²
approx. release 1.5 mm (1 coat)	approx. 1.5 kg/m ²	approx. 1.5 kg/m ²
RIALTO MATONAL 0.20 kg/m ²	approx. 0.20 kg/m ²	approx. 0.20 kg/m ²
Portland 0.30 kg/m ²	approx. 0.30 kg/m ²	approx. 0.30 kg/m ²
approx. 0.40 kg/m ²	approx. 0.40 kg/m ²	approx. 0.40 kg/m ²
1.2 mlt/m ²	1.2 mlt/m ²	1.2 mlt/m ²
8 mlt	8 mlt	8 mlt
10 mlt	10 mlt	10 mlt
2 kg/m ²	2 kg/m ²	2 kg/m ²
3.5 kg/m ²	3.5 kg/m ²	3.5 kg/m ²
1.7 kg/m ²	1.7 kg/m ²	1.7 kg/m ²
1.5 kg/m ²	1.5 kg/m ²	1.5 kg/m ²

Application on cracks up to 0.5 mm wide
Cut the surface of any friable or dusty particles, deburring the main or grout residues with a compact, well cleaned and dry surface is obtained.

Apply one coat of scaffolding being primer **RIALTO STABILIZER** (primer) or **RIALTO PRIMER** (primer) completely filling the crack. Let stand for 12 hours before further applications.

Using a stainless steel trowel, apply a coat of **RIALTO BITONAL** mixed with 20% of Portland cement, or a coat of a cementitious mixture prepared with 20% of **RIALTO MATONAL**, 3 parts of Portland cement, 4 parts of sand (equally in volume) and water as needed.

Allow at least 12 hours for product to dry completely, then apply a coat of **RIALTO PRIMER** or **RIALTO STABILIZER**, mixed with 20% water, or **RIALTO DOMOSIL**, mixed with 20% water, according to the type of crack coating selected (acrylic or silicate).

Let stand for at least 6 hours, then apply the second coat of **RIALTO BITONAL** or **RIALTO MATONAL** according to the type of crack coating selected (acrylic or silicate).

Application on cracks up to 2 mm wide
Complete crack treatment with application of **RIALTO BITONAL**.
Clear the surface of any friable or dusty particles, deburring old joints or grout residues with a compact, well cleaned and dry surface is obtained.

Cracks wider than 1 mm should be expanded (Picture 1), thoroughly cleaned and treated with one coat of **RIALTO PRIMER** or **RIALTO STABILIZER** (Picture 2) and sealed with **RIALTO BITONAL** mixed with 20% of Portland cement (Picture 3).

Using a stainless steel trowel, apply **RIALTO BITONAL**, mixed with 20% of Portland cement, or the cementitious mixture prepared with 20% of **RIALTO MATONAL**, 3 parts of Portland cement, 4 parts of sand (equally in volume) and water as needed. Apply the material in the crack, overlapping the crack by at least 10 cm on each side (Picture 4). If the crack is too deep, overlap for 10 cm on all sides.

Use the first coat of the leveling product is completely dry before applying the second coat, making sure to completely cover the mesh.

Allow at least 12 hours for product to dry completely, then apply a coat of **RIALTO PRIMER** or **RIALTO STABILIZER** (Picture 5) or **RIALTO DOMOSIL** (Picture 6) mixed with 20% water, according to the type of crack coating selected (acrylic or silicate).

Let stand for at least 6 hours, then apply the second coat of **RIALTO BITONAL** or **RIALTO MATONAL** using a stainless steel trowel (Picture 7).

Application of **RIALTO PRIMER or **RIALTO STABILIZER** on **RIALTO BITONAL** or **RIALTO MATONAL**.**
(1) Expanding the crack
(2) Application of **RIALTO PRIMER** (primer) or **RIALTO STABILIZER** (primer) on **RIALTO BITONAL** or **RIALTO MATONAL**
(3) Application of **RIALTO BITONAL** mixed with 20% of Portland cement on **RIALTO BITONAL** or **RIALTO MATONAL**
(4) Total surface treatment with a coat of **RIALTO PRIMER** or **RIALTO STABILIZER** or **RIALTO DOMOSIL**
(5) Application of **RIALTO PRIMER** or **RIALTO STABILIZER** on **RIALTO BITONAL** or **RIALTO MATONAL**
(6) Application of **RIALTO DOMOSIL** on **RIALTO BITONAL** or **RIALTO MATONAL**
(7) Application of the second coat of **RIALTO BITONAL** or **RIALTO MATONAL**

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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The Quality Management System of HARPO spa meets the requirements of UNI EN ISO 9001:2000. Certificate No. IT03/0851



PRIMER

Penetrating and fixing colorless priming coat for interiors and exteriors

RIALTO PRIMER is based on an acrylic resin binder treated with selected additives in order to achieve particular penetration properties and improve adhesion.

PROPERTIES

RIALTO PRIMER is marked by and stands out for the following characteristics:

- it is remarkably flexible
- it provides excellent adhesion
- it is permeable by water vapor
- it is non-toxic
- it is non-flammable
- specific gravity: 1.03 kg/l
- pH: 5.5 ± 0.5
- viscosity: 600 ± 100 mPas
- dry residue: $45 \pm 1\%$ by weight

PURPOSES

RIALTO PRIMER is particularly suitable for:

- undercoats and for absorption control on interior and exterior surfaces
- binder for dusty gypsum plasterboard or gypsum walls
- anchoring surfaces such as polystyrene or polyester panels which become dusty owing to exposure to UV rays

WORKING INSTRUCTIONS

- before applying **RIALTO PRIMER** remove any loose material, loose paint film by using a hard bristle brush or scraper; remove any traces of mould
- dilute with water according to whether **RIALTO PRIMER** is to be used on:
 - exterior plasters as a binder and fixing agent (**RIALTO PRIMER**/water ratio: 1:10)
 - interior plaster or gypsum surfaces (**RIALTO PRIMER**/water ratio: 1:8)
 - old washable paint, temper, tuff, bricks and artificial stone (**RIALTO PRIMER**/water ratio: 1:6)
- apply **RIALTO PRIMER** with brush, roller or spray
- should absorption of surface be particularly high, apply two coats at 3-4 hours intervals between coats. Do not create superficial films
- brushes and any other utensil must be cleaned with water immediately after use
- do not apply **RIALTO PRIMER** during rainy weather or on frozen surfaces
- allow at least 6 hours to dry before applying finishing products
- do not apply at air surface temperature below 5°C (41°F) or exceeding 35°C (95°F)
- store **RIALTO PRIMER** at temperatures above 5°C (41°F) and not exceeding 40°C (104°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The spreading rate is calculated according to dilution and surface to which the product is applied.

The spreading rate ranges from 10 m²/l (400 sq.ft./gal) to a maximum of 50 m²/l (2,000 sq.ft./gal).

PACKAGING

RIALTO PRIMER is available in 1 l, 5 l and 20 l containers.

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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PRIMER ONE

Fine white primer for interiors

RIALTO PRIMER ONE is a white hiding priming coat based on fine particle of polymer emulsions with high adhesion properties, fine aggregates, titanium dioxide and a broad spectrum anti-mould agents. Its adhesion and binding properties make it the ideal basecoat for application of acrylic paints, acrylic stucco and smooth plasters, particularly over smooth, flat substrates.

PROPERTIES

- high adhesion capacity
- good water vapor permeability
- not harmful
- permanent fungicide
- good hiding power
- not flammable
- easy to use either by brush or roller
- specific gravity: 1.55 ± 0.05 kg/l
- viscosity at quality control: non – Newtonian product
- average value $> 12.500 \pm 1.000$ mPas
- percentage solids: $64,00 \pm 2$ % by weight

PURPOSES

RIALTO PRIMER ONE is suitable for the following applications:

- matte white basecoat for interior walls
- white priming coat for drywall, plasterboards particularly smooth and flat where **RIALTO FINISH** may be too rough for the desired smooth plaster effect
- bonding agent on dusty substrates like gypsum
- bonding agent highly compatible with acrylic paints and decorative acrylic stuccos for interiors
- anti-mould basecoat for application of anti-mould finishing paints in areas prone to growth of fungus

WORKING INSTRUCTIONS

- clean surface and remove any loose material before applying **RIALTO PRIMER ONE**
- remove any mould prior to application of **RIALTO PRIMER ONE**
- before use, dilute **RIALTO PRIMER ONE** with 30% water
- mix it thoroughly to disperse homogenously the fine hiding particles of **RIALTO PRIMER ONE**
- apply **RIALTO PRIMER ONE** by brush or roller in one single coat, on highly absorbing surfaces a second coat might be necessary, wait at least 6 hours before applying next coat.
- clean brushes and any other utensils with water immediately after use
- store the product at a temperature above 5°C (41°F) and below 35°C (95°F)
- application of the desired final decoration, such as acrylic paints or acrylic stucco, can be done after 24 hours drying of **RIALTO PRIMER ONE**
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERAGE

The average coverage of **RIALTO PRIMER ONE** is 8 – 12 sqm/l (120 – 180 sqm/15l pail, 1,300 – 1,900 sq.ft./15l pail) but may vary according to the absorption of the substrate and application method

PACKAGING

RIALTO PRIMER ONE is available in 15 l and 4 l containers

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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RASAL

Multipurpose mortar for cementitious plasters

RIALTO RASAL is a mortar that produces high quality cement-based mixtures for the fixing and coating of building material. It is mainly composed of a thermoplastic binder, quartz, and siliceous sand in the correct granulometric proportion and special additives.

PROPERTIES

RIALTO RASAL is added to Portland 325, in the right proportion, to obtain a mortar with the following characteristics:

- it does not shrink
- it has excellent adhesion
- it reduces the risk of cracks, even when thin layers of product are applied
- it has excellent mechanical resistance
- heat expansion: >2%
- product working time is equal to that of a normal cement-based mortar
- it can be quickly and easily applied if used as a finishing coat

PURPOSES

Mixtures made with **RIALTO RASAL** are ideal for:

- fixing (see Formulation "A")
- coating of insulating panels embedding the fiber net **RIALTO FIBRATEX** (see Formulation "B")
- insulation of exterior and interior surfaces and restoration of old building facades (see Formulation "B")

Provided the surfaces are clean, dry, and free of greasy stains, the mixture prepared with **RIALTO RASAL** can be applied to the following substrates:

- insulating panels (as a fixing or leveling agent)
- coarse plasters
- fine plasters
- bricks
- prefabricated panels
- concrete

WORKING INSTRUCTIONS

- the obtained mixtures can be easily applied using a stainless steel trowel, spreading the plaster with even thickness or trowelling it with a wet sponge trowel
- for leveling old, dusty or friable plaster, a coat of **RIALTO PRIMER**, diluted with 1:6 water, should be applied first
- if the surface of insulating panels is dusty (for example, panels left in the sun for several days), a coat of **RIALTO PRIMER**, diluted with 1:5 water, should be applied first
- do not apply product on surfaces where temperature is above 35°C (95°F) or below 7°C (44°F)
- protect containers from frost and temperatures above 40°C (104°F)
- do not pollute the environment
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

For **RIALTO RASAL** covering capacity, see the chart at the end of this sheet ("INDICATIVE FORMULATIONS").

PACKAGING

RIALTO RASAL is available in 25 kg containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets :

RIALTO PRIMER**INDICATIVE FORMULATIONS**

PURPOSE	blend mixture type	RIALTO RASAL	Portland cement 3.25	water	covering capacity kg/m ² x mm
Mortar for fixing insulating panels	A	25 kg	7,5 kg	a.n.	1,3 kg
Fine mortar for plastering over insulating panels and cracked surfaces	B	25 kg	12,5 kg	a.n.	1,1 kg

"a.n." as needed, to obtain desired workability

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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RASELAST

Elastomeric leveling plaster for interior and exterior walls

RIALTO RASELAST is mainly composed of different-sized silica sands, elastomeric binder and additives.

PROPERTIES

RIALTO RASELAST is marked by and stands out for the following characteristics:

- it has high permanent elasticity
- it has good adhesion: $> 10 \text{ kgf/cm}^2$
- it allows surfaces to breathe
- it has high water vapor permeability: $25 \text{ g/m}^2 - 24 \text{ h}$; $\mu = 700$, $S_d = 0.84 \text{ m}$
- it is stable in time
- it is ideal substrate for all finishes based on water based resins
- it is ready to use
- it can be easily applied by trowel
- it is non-flammable
- specific gravity: $1.65 \pm 0.03 \text{ kg/l}$
- pH: 7
- viscosity: $27,000 \pm 500 \text{ mPas}$
- dry residue: $70\% \pm 1$ by weight
- resin dry residue of total dry residue: $16\% \pm 0.5$ by weight

PURPOSES

RIALTO RASELAST is ideal for sealing cracked plaster surfaces. It may be used on:

- fine plasters
- concrete
- pre-fabricated panels
- plasterboards

COVERING CAPACITY

$< 0.5 \text{ mm}$ cracks: approx. 1.2 kg/m^2 (2.2 lb/sq.yd) per coat. It may change according to the type of the support.

$< 1.5 \text{ mm}$ cracks where the use of **RIALTO FIBRELAST** is foreseen: approx. 2 kg/m^2 (3.7 lb/sq.yd) per coat.

PACKAGING

RIALTO RASELAST is available in 25 kg cans.

WORKING INSTRUCTIONS

For max 0.5 mm wide cracks

- remove any loose material, dust, and detached old paint
- on clean surface apply 1 coat of **RIALTO STABILIZER** (externally) or 1 coat of **RIALTO PRIMER** diluted 1:8 with water (internally). Wait at least 24 hours
- apply by stainless steel trowel 2 coats of **RIALTO RASELAST** with minimum 12 hours interval between coats. Smooth down with the trowel

For max 1.5 mm wide cracks

- cracks have to be widened and cleaned from dust. Apply 1 coat of **RIALTO STABILIZER** or **RIALTO PRIMER**
- seal with 1 coat of **RIALTO RASELAST** mixed with 30% of Portland Cement
- apply by stainless steel trowel 1 coat of **RIALTO RASELAST** and install **RIALTO FIBRELAST** (fiberglass net) overlapping the cracks by at least 10 cm on each side
- when the first coat is dry apply a second coat of **RIALTO RASELAST**

Mix the product before use

- drying time: approx. 4 hours, depending on weather conditions and applied thickness
- clean tools with water immediately after use
- do not apply **RIALTO RASELAST** on surfaces with problems of salt and humidity
- do not apply in rainy or windy weather, or at temperature below 5°C (41°F). Protect it from frost and temperature exceeding 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

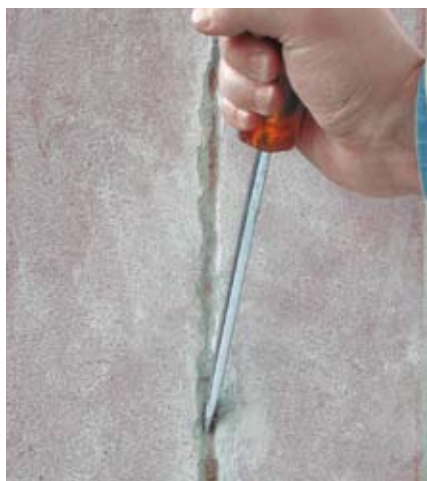
REFERENCES

For further information regarding the products mentioned in the text, see the following technical sheets :

RIALTO STABILIZER

RIALTO PRIMER

ELASTOMERIC TREATMENT LEAFLET



(1) Expanding the crack



(2) Application of **RIALTO PRIMER** (interior walls) or **RIALTO STABILIZER** (exterior walls)



(3) Sealing the crack with **RIALTO RASELAST** mixed with cement



(4) Total leveling treatment with a coat of **RIALTO RASELAST**



(5) Application of **RIALTO FIBRELAST** and leveling treatment with second coat of **RIALTO RASELAST**



(6) Finishing with **RIALTO DUROFLEX**

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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The Quality Management System of HARPO spa meets the requirements of UNI EN ISO 9001:2000. Certificate No. IT03/0851



SATINAL

Smoothing plaster for cementitious mortars

RIALTO SATINAL is a leveling product mainly composed of pulverized mineral high-purity sand, a plastic synthetic binder and special additives to provide perfect adhesion to the substrate.

PROPERTIES

RIALTO SATINAL is marked by and stands out for the following characteristics:

- it has a high degree of permanent elasticity
- it has an excellent surface adherence
- it is long-lasting
- it is ready to use
- it is easy to apply using a trowel
- it dries fast
- it is non-flammable
- specific gravity: 1.80 ± 0.05 Kg/l
- pH: 7.5
- viscosity: $170,000 \pm 10,000$ mPas
- dry residue: $74.5 \pm 0.5\%$ by weight.

PURPOSES

RIALTO SATINAL is ideal for thin patching and for leveling porous or slightly rustic substrates.

Provided the surfaces are clean, dry and free of grease stains, **RIALTO SATINAL** can be applied to:

- fine plasters
- decorative concrete
- painted interior surfaces

WORKING INSTRUCTIONS

- thoroughly clean surface to be applied on, making sure to remove loose particles
- if there is dust or deteriorated paint on the surface, apply a coat of **RIALTO STABILIZER** (exterior surfaces) or **RIALTO PRIMER** (interior surfaces) and allow at least 12 hours before applying **RIALTO SATINAL**
- stir the product well before use
- apply the product using a stainless steel trowel
- this product requires approximately 4 hours to dry. Drying time, however, may vary as a result of the weather and thickness of the applied coat
- **RIALTO SATINAL** is not intended for application on bricks and on surfaces with evident saltpeter or water stains
- clean equipment with water immediately after use
- do not apply in rainy weather or at temperatures below 7°C (44°F)
- protect product in the container from frost and temperature above 40°C (104°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The covering capacity ranges from 1,5 to 3,5 kg/m² (0.8-1.9 sq.yd/lb), depending on the nature and absorption rate of the surface.

PACKAGING

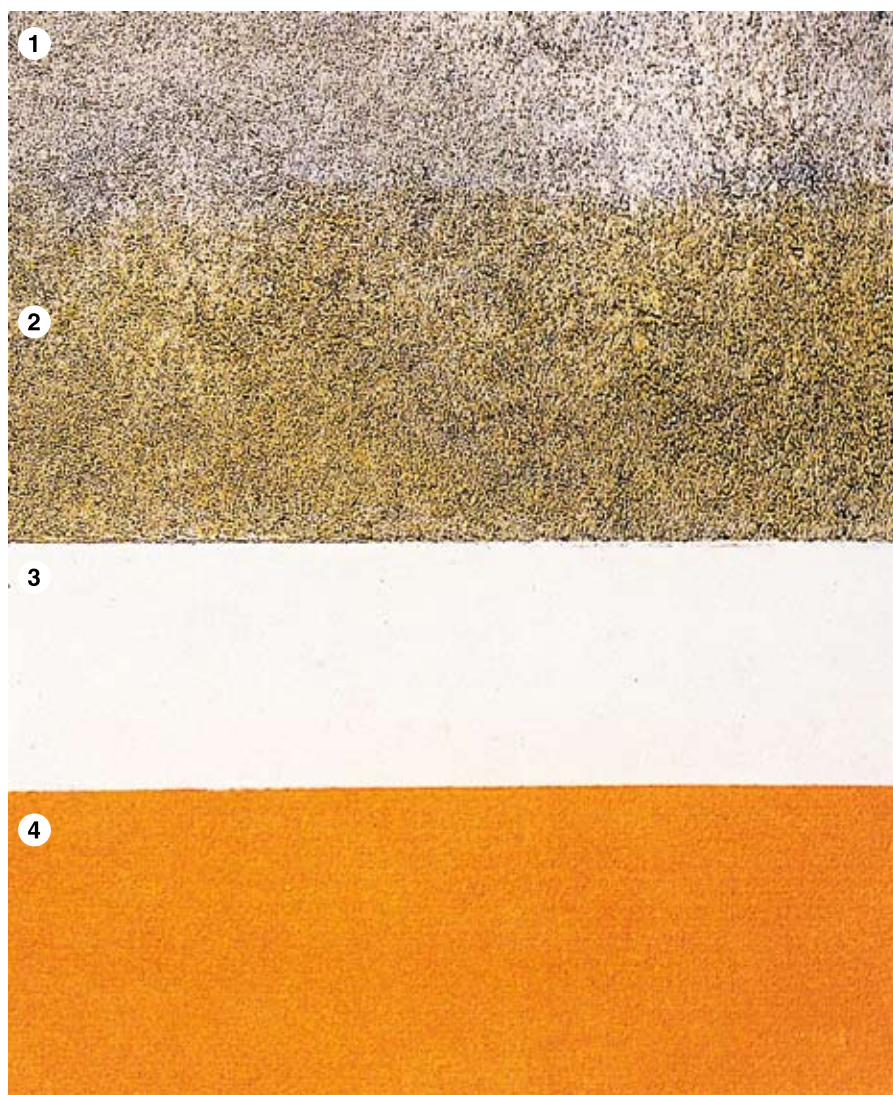
RIALTO SATINAL is available in 5 kg and 20 kg containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER

RIALTO STABILIZER



- (1) Untreated surface
- (2) Application of stabilizing primer
RIALTO STABILIZER
- (3) Application of smoothing plaster
RIALTO SATINAL
- (4) Application of decorative plaster
RIALTO ERALIT

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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STABILIZER

Stabilizing solution for dusty and friable exterior walls

RIALTO STABILIZER is made up of special organic resins in aliphatic and aromatic solvents.

PROPERTIES

RIALTO STABILIZER is marked by and stands out for the following characteristics:

- it is ready to use
- it penetrates deeply
- it controls absorption
- it is frost-resistant
- it avoids long and expensive treatment of the substrates
- specific gravity: 0.90 ± 0.01 kg/l

PURPOSES

RIALTO STABILIZER is ideal for:

- reinforcing friable surfaces and chalking internal and external walls
- insulating and creating a suitable surface prior to application of finishing materials
- reducing absorption of porous surfaces

As long as the surfaces to be treated are clean **RIALTO STABILIZER** can be applied to:

- plasters
- bricks
- concrete
- pre-painted surfaces (whitewash, washable, oil etc.)

RIALTO STABILIZER is used as undercoat to the following finishes:

- **RIALTO CARSO 1 and 2**
- **RIALTO DURALBO**
- **RIALTO ERALIT**
- **RIALTO FINISH**
- **RIALTO INTONAL**
- **RIALTO MATONAL**
- **RIALTO MARINA**
- **RIALTO ROLLER**
- **RIALTO SATINAL**
- **RIALTO UNIBETON**
- **RIALTO UNION**
- **RIALTO UNION MAT**
- **RIALTO ZIP**

WORKING INSTRUCTIONS

- prior to use, remove loose material or peeling paint using a stiff bristle brush or scraper
- remove mould
- **RIALTO STABILIZER** is ready for use and must not be diluted with water or thinned with other products
- apply using paintbrush
- a second coat can be applied in cases where walls are particularly absorbent. Leave for 12 hours before application
- protect eyes during application making sure the area is well ventilated when working indoors
- clean brush and equipment with turpentine immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- allow at least 12 hours for surface to dry completely before applying finishing products
- walls treated with **RIALTO STABILIZER** should not be exposed to sunlight for more than 20 days
- protect cans from frost and from temperatures exceeding 30°C (86°F)
- store **RIALTO STABILIZER** in a cool place and away from naked flames
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The spreading rate is approximately 6m²/l (27 sq.yd/gal). This value may vary depending on the absorption rate of the surface to be treated.

PACKAGING

RIALTO STABILIZER is available in 5 l and 20 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO CARSO 1 and 2
RIALTO DURALBO
RIALTO ERALIT
RIALTO FINISH
RIALTO INTONAL
RIALTO MATONAL
RIALTO MARINA
RIALTO ROLLER
RIALTO SATINAL
RIALTO UNIBETON
RIALTO UNION
RIALTO UNION MAT
RIALTO ZIP

ELASTOMERIC TREATMENT

restoration systems for surfaces subject to cracks

SMOOTH-FINISH ELASTOMERIC TREATMENT

RIALTO RASELAST – DUROFLEX

A matte or smooth finish restoration system for the protection of concrete or brick facades subject to cracks.

The treatment includes a penetrating and filling primer for interior or exterior, an alkali-resistant leveling product reinforced with an elastomeric finishing product with sandy-matte effect, as indicated below:

Primer: RIALTO PRIMER or STABILIZER
Elastomeric leveling product: RIALTO RASELAST
Mesh: RIALTO FIBRELAST
Elastomeric finish: RIALTO DUROFLEX

The elastomeric treatment RIALTO RASELAST-DUROFLEX restores interior or exterior surfaces, both concrete and brick, free prior application of a mesh and a crack sealant.

On sound plasters or surfaces with capillary fissures less than 0.2-mm wide, the appropriate priming product, is capable of preventing the occurrence of micro cracks due to mortar shrinkage without the prior application of a leveling material.

RIALTO DUROFLEX exhibits the following characteristics:

- a high degree of permanent elasticity
- excellent resistance to UV rays and bad weather conditions
- extreme resistance to abrasion (> 13,000 Gardner cycles)
- prevents the formation of mold
- good water repellence
- excellent surface adherence
- permeable by water vapor (Sd = 0.96 m)
- non-flammable

Application on cracks up to 0.5-mm wide

Clear the surface of any friable or dusty particles, deteriorating old paint or greasy residues until a compact, well cleaned and dry surface is obtained (Picture 1).

Apply one coat of insulating filling primer RIALTO STABILIZER (interior walls) or a coat of penetrating trowel to smooth the surface. Allow at least a 12-hour interval between the two applications (Picture 3).

Apply two coats of elastomeric finish leveling product RIALTO RASELAST using a stainless steel trowel to smooth the surface. Allow at least a 12-hour interval between the two applications (Picture 3).

Apply two coats of elastomeric finish RIALTO DUROFLEX using a roller, brush or spray. Do not dilute and wait at least 12 hours between first and second coat (Picture 4).

(1) A dry and clean cracked surface

(2) Application of RIALTO PRIMER (interior walls) or RIALTO STABILIZER (exterior walls)

(3) Leveling with RIALTO RASELAST

(4) Finishing with RIALTO DUROFLEX

Application on cracks up to 1.5-mm-wide

Complete crack treatment with application of reinforcement mesh.

Clear the surface of any friable or dusty particles, deteriorating old paint or greasy residues until a compact, well cleaned and dry surface is obtained.

Cracks wider than 0.5-mm should be expanded (Picture 1).

Use the trowel to embed the mesh in the cracks (Picture 2).

If the cracks are too close, apply the mesh on the whole surface, overlapping it by 10 cm on all sides.

Wait until the first coat of RIALTO RASELAST is perfectly dry before applying the second coat, taking care to completely cover the mesh.

When RIALTO RASELAST is perfectly dry, apply two coats of RIALTO DUROFLEX using a roller, brush or spray. Do not dilute and wait at least 12 hours between first and second coat (Picture 6).

Dust off thoroughly, apply a coat of RIALTO PRIMER or RIALTO STABILIZER (Picture 2) and seal with RIALTO RASELAST mixed with 30% of Portland cement (Picture 3).

Apply RIALTO RASELAST to all surfaces using a stainless steel trowel (Picture 4) and overlapping by at least 10 cm on each side. Use the trowel to embed the mesh in the RIALTO FIBRELAST (Picture 5).

If the cracks are too close, apply the mesh on the whole surface, overlapping it by 10 cm on all sides.

Wait until the first coat of RIALTO RASELAST is perfectly dry before applying the second coat, taking care to completely cover the mesh.

When RIALTO RASELAST is perfectly dry, apply two coats of RIALTO DUROFLEX using a roller, brush or spray. Do not dilute and wait at least 12 hours between first and second coat (Picture 6).

(1) Expanding the crack

(2) Application of RIALTO PRIMER (interior walls) or RIALTO STABILIZER (exterior walls)

(3) Sealing the crack with RIALTO RASELAST mixed with cement

(4) Total leveling treatment with a coat of RIALTO RASELAST

(5) Application of RIALTO FIBRELAST and leveling treatment with second coat of RIALTO RASELAST

(6) Finishing with RIALTO DUROFLEX

THICK-FINISH ELASTOMERIC TREATMENT

RIALTO INTONAL OR MATONAL

A rustic-finish restoration system

The treatment includes a fixing primer, an elastic leveling product reinforced with alkali-resistant fibers, a fiberglass mesh, an acrylic or siloxane color blending primer and a thick coating with acrylic or siloxane rustic finish.

Primer: RIALTO PRIMER or STABILIZER
Leveling product: RIALTO INTONAL or MATONAL
Mesh: RIALTO FIBRELAST
Color-blending primer: RIALTO FINISH or DOMOSIL
Thick coating: RIALTO CARSO 1 or 2, CARSO 1 or 2, DURALBO, DURALBO SIOSSANICO, ERALIT or ERALIT SIOSSANICO

COVERING CAPACITY

	For cracks < 0.5 mm	For cracks < 1.5 mm
PRIMER	approx. 50 m ² /l	approx. 50 m ² /l
STABILIZER	approx. 6 m ² /l	approx. 6 m ² /l
RASELAST (2 coats)	approx. 1.2 kg/m ²	approx. 1.2 kg/m ²
FIBRELAST (overlapped for at least 10 cm)	approx. 3 - 3.5 m ² /l	approx. 3 - 3.5 m ² /l
DUROFLEX (2 coats)	approx. 3 - 3.5 m ² /l	approx. 3 - 3.5 m ² /l

RIALTO DUROFLEX is available in white color and in the following colors of Collezioni Italia:

60-02	60-03	60-04	60-05
60-16	60-36	60-37	60-40
60-41	60-48	60-63	60-64
60-65	60-78	60-88	60-97

COVERING CAPACITY

	Undercoat	For cracks < 0.5 mm
PRIMER	approx. 50 m ² /l	approx. 50 m ² /l
STABILIZER	approx. 6 m ² /l	approx. 6 m ² /l
RASELAST (2 coats)	approx. 1.2 kg/m ²	approx. 1.2 kg/m ²
FIBRELAST (overlapped for at least 10 cm)	approx. 3 - 3.5 m ² /l	approx. 3 - 3.5 m ² /l
DUROFLEX (2 coats)	approx. 3 - 3.5 m ² /l	approx. 3 - 3.5 m ² /l

RIALTO DUROFLEX is available in white color and in the following colors of Collezioni Italia:

60-02	60-03	60-04	60-05
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60-65	60-78	60-88	60-97

ELASTOMERIC TREATMENT

restoration systems for surfaces subject to cracks

THICK-FINISH ELASTOMERIC TREATMENT

RIALTO INTONAL OR MATONAL

A rustic-finish restoration system

The treatment includes a fixing primer, an elastic leveling product reinforced with alkali-resistant fibers, a fiberglass mesh, an acrylic or siloxane color blending primer and a thick coating with acrylic or siloxane rustic finish.

Primer: RIALTO PRIMER or STABILIZER
Leveling product: RIALTO INTONAL or MATONAL
Mesh: RIALTO FIBRELAST
Color-blending primer: RIALTO FINISH or DOMOSIL
Thick coating: RIALTO CARSO 1 or 2, CARSO 1 or 2, DURALBO, DURALBO SIOSSANICO, ERALIT or ERALIT SIOSSANICO

COVERING CAPACITY

	Undercoat	For cracks < 0.5 mm
PRIMER	approx. 50 m ² /l	approx. 50 m ² /l
STABILIZER	approx. 6 m ² /l	approx. 6 m ² /l
RASELAST (2 coats)	approx. 1.2 kg/m ²	approx. 1.2 kg/m ²
FIBRELAST (overlapped for at least 10 cm)	approx. 3 - 3.5 m ² /l	approx. 3 - 3.5 m ² /l
DUROFLEX (2 coats)	approx. 3 - 3.5 m ² /l	approx. 3 - 3.5 m ² /l

RIALTO DUROFLEX is available in white color and in the following colors of Collezioni Italia:

60-02	60-03	60-04	60-05
60-16	60-36	60-37	60-40
60-41	60-48	60-63	60-64
60-65	60-78	60-88	60-97

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UNIVERSAL

Multipurpose undercoat for enamels

RIALTO UNIVERSAL is composed of special resins and special additives in a solvent.

PROPERTIES

RIALTO UNIVERSAL is marked by and stands out for the following characteristics:

- it protects treated surfaces from corrosion
- it has excellent weather-resistance
- it dries fast
- it has excellent surface adherence
- it can be painted over with solvent-based products

PURPOSES

RIALTO UNIVERSAL is ideal as a priming treatment for exterior and interior surfaces.

- It can be applied to:
 - iron
 - sheet zinc
 - aluminum
 - steel
 - wood
 - wall
 - synthetic products (PVC panels, polyester, polyamides, etc.)

COVERING CAPACITY

Average covering capacity is 10 m²/l (45 sq.yd/gal) applied by brush or roller and 7 m²/l (31 sq.yd/gal) applied by spray, but it may vary depending on the nature of the surface.

PACKAGING

RIALTO UNIVERSAL is available in 0.75 l and 2.5 l containers.

COLOR RANGE

RIALTO UNIVERSAL is available in the following colors: red, gray, and white.

WORKING INSTRUCTIONS

- make sure the surface is completely dry and free of grease stains, dust or any other kind of dirt. Remove rust or paint peeling from the surface
- grease stains and other kind of dirt on zinc or aluminum surfaces should be removed by wash with nitro-thinner
- clean thoroughly wood and iron surfaces to be painted, remove any loose material and if necessary patch
- clean thoroughly surfaces to be painted and if necessary patch or level off
- clean thoroughly synthetic surfaces, sand superficially and finish off with alcohol or turpentine on damaged sections
- when applying by brush or roller, use undiluted product. For application by spray dilute to 15-20% with nitro-thinner (nozzle diameter: 1.5-2 mm; pressure: 2.5-3.5 atm)
- average dust free drying time: 30-40 min but it may vary depending on absorption of the substrate, temperature and humidity.
- average touch-free drying time: 1 hour
- resistant to frost during drying process
- allow at least 2 hours before starting to apply the enamel paint **RIALTO GLAZER**
- possible dried product stains can be removed with a rag soaked in turpentine
- insure adequate ventilation during application of the product in small environments
- store product tightly closed in a cool and dry place away from naked flame
- dispose of product with care
- dispose of waste through authorized waste disposal services

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO GLAZER

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Learn how to select the most appropriate basecoat for your favorite **rialto** finish.

Become a certified applicator attending one of our training courses.

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WALLCEM BIANCO

Levelling rendering - white

RIALTO WALLCEM BIANCO is composed of white cement, high aluminum-content cement, hydrated lime, specially selected spherical sands, synthetic fibers, and additives. It is recommended as a finishing product, as well as to patch, repair, and level walls and ceilings.

PROPERTIES

RIALTO WALLCEM BIANCO is marked by and stands out for the following characteristics:

- it allows maximum breathability:
790 g/m² - 24h (DIN 53122 Regulations),
 $\mu=18$, Sd=0.027 m
- it has excellent weather-resistance
- it has a high hiding power
- it does not shrink
- it has excellent surface adherence
- it is easy to apply
- it is abrasion resistant
- it is non-flammable and non-toxic (EC Regulations)

PURPOSES

RIALTO WALLCEM BIANCO is the ideal product to:

- level and finish walls with an absorption treatment. The product is specially suited as an undercoat before the application of mineral products such as **RIALTO EPOCA SPATOLATO**, **RIALTO EPOCA MARMO**, **RIALTO EPOCA OTTOCENTO**, **RIALTO ANTIQUA** and siloxane products such as **RIALTO DOMOSIL** and **RIALTO SILOXANE THICK COATINGS**, **RIALTO VELASIL**
- final leveling of partially restored plaster surfaces
- it is suitable for finishing both exterior and interior surfaces and to give the decorative appearance of fine, white plaster
- it can be applied on concrete and reinforced concrete prefabricated elements, lime and cement-based plaster, cellular and expanded concrete

WORKING INSTRUCTIONS

surfaces to be treated should have no grease stains and should not have been previously treated with silicone water-repellent or similar products. Remove any loose material and level uneven sections to make surface sound

- dampen with water before application of **RIALTO WALLCEM BIANCO**
- for the restoration of slightly friable and/or dusty plaster, a coat of **RIALTO PRIMER** diluted with 1:8 water should be applied first
- in a clean receptacle, mix 1 part of water and 2.5 parts of **RIALTO WALLCEM BIANCO** until a creamy mortar of workable consistency is achieved
- **RIALTO WALLCEM BIANCO** must be applied within 50 minutes of mixing, at a temperature of 20°C (68°F)
- the product will solidify in two hours by hydration, therefore prepare product in a quantity that can be applied within 50 minutes, and touch up before hardening
- finish using a wet sponge trowel when it starts solidifying in order to obtain a "fine plaster-like" effect, or level using a stainless steel trowel in order to obtain a smooth plaster surface
- maximum thickness that can be applied in one coat: 5 mm
- for surfaces with expanding cracks, mix 1 part of **RIALTO MATONAL**, 4 parts of **RIALTO WALLCEM BIANCO** and 1 part of water (quantity in volumes), incorporating between the cracks **RIALTO FIBRATEX** (fiberglass)
- do not apply **RIALTO WALLCEM BIANCO** with temperatures below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- store product in a dry place, arranged on pallets, for not longer than 12 months
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average coverage capacity is 1.2 kg/m² (2.2 lb/sq.yd/mm) for each mm of desired thickness.

PACKAGING

RIALTO WALLCEM BIANCO is available in 25 kg waterproof reinforced paper sacks.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO MATONAL

RIALTO PRIMER

RIALTO EPOCA OTTOCENTO

RIALTO ANTIQUA

RIALTO EPOCA SPATOLATO

RIALTO EPOCA MARMO

RIALTO DOMOSIL

RIALTO VELASIL

TECHNICAL CHARACTERISTICS

Hardening start times	50 minutes
Hardening finish time	120 minutes
Freshly poured mortar specific gravity	1.7 kg/l
Compression strength	after 3 days 60 kg/cm ² after 28 days 150 kg/cm ²
Flexural strength	after 3 days 25 kg/cm ² after 28 days 50 kg/cm ²
Penetration strength (10 mm thickness)	after 1 day 40 kg/cm ² after 5 days 160 kg/cm ²

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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WALLCEM GRIGIO

Levelling rendering - grey

RIALTO WALLCEM GRIGIO is composed of Portland cement, aluminum cement, hydrated lime, sand, and selected additives. It is recommended to patch, repair, and level walls and ceilings.

PROPERTIES

RIALTO WALLCEM GRIGIO is marked by and stands out for the following characteristics:

- it allows maximum breathability:
790 g/m² - 24h (DIN 53122 Regulations),
 $\mu=18$, $S_d=0.027$ m
- it has excellent weather-resistance
- it has a high hiding power
- does not shrink on pre-existing plaster surfaces, structural concrete walls and ceilings, prefabricated concrete walls
- it has excellent surface adherence
- it is easy to apply
- it is abrasion resistant
- it is non-flammable and non-toxic (EC Regulations)

PURPOSES

- **RIALTO WALLCEM GRIGIO** is the ideal product to:
- level and finish walls with an absorption treatment. The product is specially suited as an undercoat before the application of mineral products such as **RIALTO EPOCA SPATOLATO**, **RIALTO EPOCA MARMO**, **RIALTO EPOCA OTTOCENTO**, **RIALTO ANTIQUA** and siloxane products such as **RIALTO DOMOSIL** and **RIALTO SILOXANE THICK COATINGS**, **RIALTO VELASIL**
- final leveling of partially restored plaster surfaces
- it is a suitable finishing product for exterior and interior surfaces and gives the decorative appearance of fine white plaster
- it can be applied on concrete and reinforced concrete prefabricated elements, lime and cement-based plaster, cellular and expanded concrete

WORKING INSTRUCTIONS

thoroughly clean the surfaces to be treated removing any loose material

- for the restoration of slightly friable or dusty plaster, a coat of **RIALTO PRIMER** diluted with 1:8 water should be applied first
- evenly dampen new plaster and reinforced concrete before applying **RIALTO WALLCEM GRIGIO**
- in a clean receptacle, mix 1 part of water and 2.5 parts of **RIALTO WALLCEM GRIGIO** until a creamy mortar of workable consistency is achieved
- let stand at least 5 minutes before application
- **RIALTO WALLCEM GRIGIO** must be applied within 50 minutes of mixing, at a temperature of 20°C (68°F)
- **RIALTO WALLCEM GRIGIO** will solidify in two hours by hydration and drying
- maximum thickness that can be applied in one coat: 5 mm
- for surfaces with expanding cracks, mix 1 part of **RIALTO MATONAL**, 4 parts of **RIALTO WALLCEM BIANCO** and 1 part of water (quantity in volumes), incorporating between the cracks **RIALTO FIBRATEX** (fiberglass)
- do not apply **RIALTO WALLCEM BIANCO** with temperatures below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- store product in a dry place, arranged on pallets, for not longer than 12 months
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average covering capacity is 1.2 kg/m² (2.2 lb/sq.yd/mm) for each mm of desired thickness.

PACKAGING

RIALTO WALLCEM GRIGIO is available in 25 kg waterproof reinforced paper sacks.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO MATONAL

RIALTO PRIMER

RIALTO EPOCA OTTOCENTO

RIALTO ANTIQUA

RIALTO EPOCA SPATOLATO

RIALTO EPOCA MARMO

RIALTO DOMOSIL

RIALTO VELASIL

TECHNICAL CHARACTERISTICS

Hardening start times	50 minutes
Hardening finish time	120 minutes
Freshly poured mortar specific gravity	1.7 kg/l
Compression strength	after 3 days 60 kg/cm ² after 28 days 150 kg/cm ²
Flexural strength	after 3 days 25 kg/cm ² after 28 days 50 kg/cm ²
Penetration strength (10 mm thickness)	after 1 day 40 kg/cm ² after 5 days 160 kg/cm ²

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

Every care has been taken to ensure that the information provided in this technical data sheet is accurate. **Harpo** is unable to guarantee results as it has no control over the conditions under which its products are applied.



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Quartz based coatings

FINISH	92
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FINISH

Resin based quartz finishing coat for exteriors

RIALTO FINISH coating is a smooth coating with matt effect. Mainly composed of a terpolymer resin which acts as a binder, it contains different-sized hard aggregates such as mica, silica, quartz and granite, selected pigments, special additives that guarantee a perfect adhesion, and a special-spectrum fungicide-bactericide.

PROPERTIES

RIALTO FINISH is marked by and stands out for the following characteristics:

- it has a high degree of permanent elasticity
- it allows surfaces to breath: 30 g/m² - 24 hours/ASTM - E96, $\mu=2860$, Sd=0.71 m
- it does not peel or crack: >9 kgf/cm²
- it has high durability
- it prevents the formation of mould
- it is ready to use
- it can be easily applied using either a paintbrush, roller or conventional spray
- it is non-flammable
- abrasion resistant: >13,000 Gardner cycles
- specific gravity: 1.48 ± 0.02 kg/l
- pH: 7.5 ± 0.2
- viscosity: non-Newtonian fluid: average value 8,000 ± 500 mPas
- volume solids: 64% ± 0.5 by weight
- resin volume solids out of total volume solids: 26% ± 1% by weight

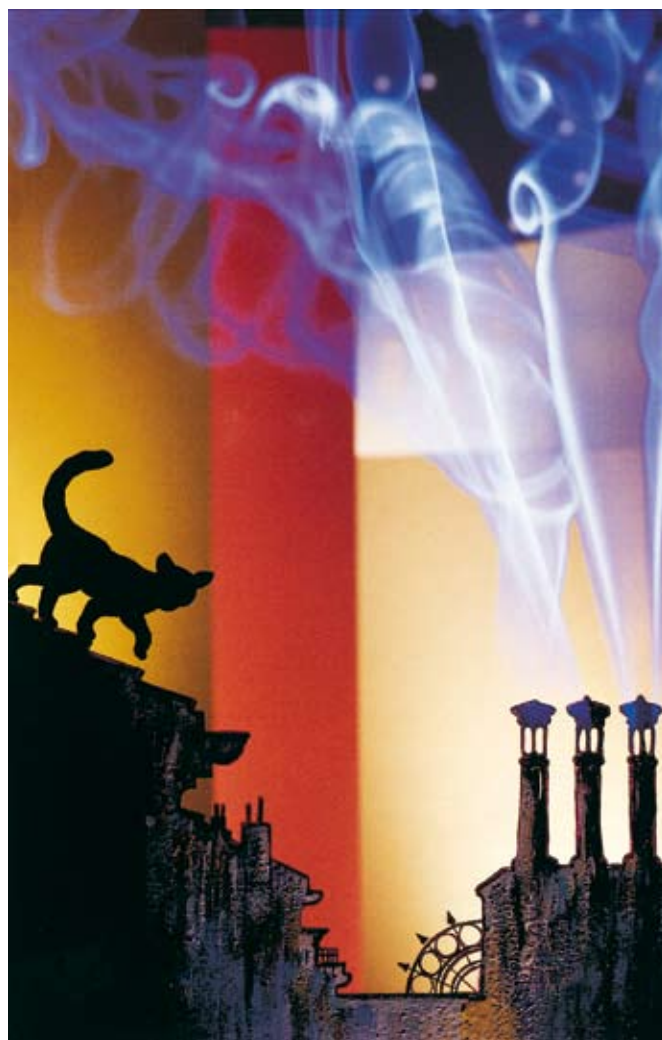
PURPOSES

RIALTO FINISH is ideal to keep exterior surfaces water repellent for longer and to give surfaces a smooth, decorative matt look and keeps them looking clean for many years. **RIALTO FINISH** is particularly suitable for use in industrial areas where the atmosphere is more corrosive or along the coast where there is greater need for protection against salt.

- Prior to use surfaces should be sound and dry. **RIALTO FINISH** can be applied to the following surfaces after adequate preparation:
- plasters
- architectural concrete
- building boards
- Terranova finishes
- bricks
- galvanized sheets
- bituminous emulsions
- previously painted surfaces (whitewash, washable, oil etc.)
- silicate of alumina based concrete
- **RIALTO FINISH** is also used for decorating and protecting bituminous surfaces from the sun
- **RIALTO FINISH** thanks to its resins and its hard fine inerts can be used as adhesion promoter for decorative coatings in exterior jobs

WORKING INSTRUCTIONS

- surfaces should be cleaned and loose material removed
- apply a coat of **RIALTO STABILIZER** and wait for at least 24 hours before applying **RIALTO FINISH**
- apply two coats of **RIALTO FINISH**. After applying the first coat (diluted with 10% water) with brush, leave for at least 12 hours and then apply the second coat (pure) with roller
- do not apply **RIALTO FINISH** to bricks with evident signs of saltpetre or dampness
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- store **RIALTO FINISH** in its original container at temperatures ranging from 5°C (41°F) to 30°C (86°F)
- do not dump
- dispose of product with care
- dispose of waste through authorized waste disposal services



COVERING CAPACITY

The spreading rate is usually 4-5 m²/l (160 sq.ft./gal) for two coats but it can vary depending on the kind of surface and the absorption rate.

PACKAGING

RIALTO FINISH is available in either 4 or 15 l containers (primary colors 4 l).

COLOR RANGE

RIALTO FINISH is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 70 l

RIALTO FINISH white color and three bases can be tinted with **RIALTO INORGANIC TINTING PASTES** with the following quantities:

BASE 100: max 5% of colorants by weight

BASE 300: max 8% of colorants by weight

BASE 400: max 10% of colorants by weight

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO STABILIZER

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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ZIP

Permeable and protective coating for interiors and exteriors

RIALTO ZIP has a slightly coarse, mat decorative effect for exterior finishes. It is mainly composed of a copolymer binder (resistant to the alkali of cement-based substrates), highly weather-resistant aggregates such as quartz, silica and mica, selected pigments, and special additives.

PROPERTIES

RIALTO ZIP is marked by and stands out for the following characteristics:

- it has good elasticity even at low temperatures
- it is water-repellent
- it allows the necessary breathability of substrates:
35 g/m² 24h (ASTM-E96 Regulations),
 $\mu = 2.450$; Sd = 0.61 m
- does not peel or cracks (> 7 Kg/cm²)
- it is highly weather-resistant
- it is ready to use
- it is easy to apply using either a brush, roller or spray
- it is non-flammable
- it is abrasion resistant (>10,000 Gardner cycles)
- specific gravity: 1.45 ± 0.02 Kg/l
- pH: 8 ± 0.2
- Brookfield viscosity: $2,000 \pm 200$ mPas
- dry residue: $59.5 \pm 1\%$ by weight
- dry binder out of total dry residue: $20 \pm 1\%$

PURPOSES

RIALTO ZIP is ideal for:

- giving exterior walls a long-lasting protective treatment
- giving walls a mat decorative effect
- creating a long-lasting clean appearance
- protecting surfaces from atmospheric agents

RIALTO ZIP is also widely used in industrial areas with acid atmosphere and in marine locations where it is necessary to protect exterior surfaces from the corrosive action of salt air.

Provided the surfaces are sound and dry, the **RIALTO ZIP** coating can be applied to the following, after proper preparation:

- fine plasters
- decorative concrete
- prefabricated panels
- Terranova type finishes
- decorative bricks after a good sealing
- old paints

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)
- clean thoroughly the surfaces to be coated, removing any loose material
- apply a coat of **RIALTO STABILIZER** and allow at least 24 hours before coating the surfaces with **RIALTO ZIP**
- apply two coats of **RIALTO ZIP** allowing at least 12 hours between first and second coat. Dilute first coat to not more than 10% with water and apply by brush. Do not dilute second coat and apply by roller
- **RIALTO ZIP** is not intended for application on bricks with evident saltpeter or water stains
- clean brushes and equipment with water immediately after use
- do not apply in rainy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun
- protect product in the container from frost and temperature above 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services.

COVERING CAPACITY

Average covering capacity is 4 m²/l (160 sq.ft./gal) for two coats but it may vary depending on the substrate nature and absorption rate

PACKAGING

RIALTO ZIP is available in 4 l and 15 l containers.

COLOR RANGE

RIALTO ZIP is available in a wide range of colors.

See relevant color chart and/or Collezione Italia fan deck.

Custom colors are available at extra cost, depending on the shade. A sample of the color must be provided. Minimum quantity: 75 l

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO STABILIZER



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Seasoned slaked lime finishes

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ANTIQUA

Seasoned slaked lime based finishing coating for interiors and exteriors

RIALTO ANTIQUA has a decorative appearance similar to that of plaster applied with a trowel or of a smooth, colored marble. It is made up of seasoned slaked lime, natural pigments and oxides, selected Carrara marble chippings, and silica.

PROPERTIES

RIALTO ANTIQUA is marked by and stands out for the following characteristics:

- it allows surfaces to breathe
ANTIQUA 1: 380 g/m² - 24 h DIN 53122, $\mu=45$, Sd=0.04 m
ANTIQUA 2: 380 g/m² - 24 h DIN 53122, $\mu=45$, Sd=0.04 m
- it adheres perfectly to backing (11.5 kgf/cm²)
- it is marine air resistant (550 hours exposure, ASTM-B 117)
- it withstands alkali corrosion
- it is not prone to shrinkage
- it is ready to use
- it is abrasion resistant
- it is non-flammable
- it does not flake or peel
- specific gravity: 1.7 ± 0.1 kg/l
- pH: 13.5 ± 0.5
- viscosity: non-Newtonian fluid; average value 36,000 ± 1,500 mPas
- volume solids: 75 ± 1% by weight

PURPOSES

RIALTO ANTIQUA is ideal for giving an interior and exterior surfaces a decorative appearance similar to that of colored plaster. **RIALTO ANTIQUA** is available as follows:

- “**Type 1**” which can be smoothed in order to obtain a smooth plaster finish
- “**Type 2**” which contains grey grit and creates a speckled effect with shadowy hints

Provided the surfaces are sound and dry, **RIALTO ANTIQUA** can be applied to the following surfaces:

- new finely spread coarse plasters
- new plasters
- surfaces smoothed down with **RIALTO WALLCEM**
- surfaces treated with adhesion promoter **RIALTO FONDO DI ADERENZA**
- special plasters to withstand against damp

WORKING INSTRUCTIONS

- when applying either to plaster which is old or covered with traces of old paint or to new plaster with cracks or which has been filled in, remove loose material and dampen all the surface with water before smoothing it down with **RIALTO WALLCEM**
- if the surface is sound and smooth but not compatible with application of lime based coating, (bad adhesion), for example acrylic paints and coatings, apply one or two coats of adhesion promoter **RIALTO FONDO DI ADERENZA** and let it dry for at least 48 hours
- if the surface is dusty or too absorbent, apply a priming coat of anti-efflorescence **RIALTO DURASIL** and leave for at least 48 hours before applying **RIALTO ANTIQUA**
- for protection against salt efflorescence, apply a generous coat of **RIALTO ISOCAL** to the dry surface and leave for at least 48 hours before applying **RIALTO ANTIQUA**
- apply **RIALTO ANTIQUA** with stainless steel trowel and finish off with wet sponge float when it starts to set
- protect the newly applied coat from heavy rain for about 48 hours
- do not apply on frozen or overheated surfaces
- do not apply at air surface temperature below 5°C (41°F) or exceeding 35°C (95°F) and relative humidity of the air >75%.
- store the product at a temperature of above 5°C (41°F) and not exceeding 30°C (86°F)
- **RIALTO ANTIQUA 1** can be painted over with **RIALTO EPOCA OTTOCENTO**, **RIALTO EPOCA MARMO**, **RIALTO EPOCA SPATOLATO**
- **RIALTO ANTIQUA 2** can be painted over with **RIALTO EPOCA OTTOCENTO**
- **RIALTO ANTIQUA 1** and **2** can be painted over with **RIALTO VELASIL** to emphasize the cloudy look and improve the water repellancy of the system
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

“**Type 1**”: approx. 1.2 kg/m² (4 sq.ft./lb) one coat and approx. 1.7 kg/m² (3 sqft/lb) two coats applied to fine plaster.

“**Type 2**”: approx. 2-2.3 kg/m² (3 sq.ft./lb) one coat applied to fine plaster.

PACKAGING

RIALTO ANTIQUA is available in 25 kg (55 lb) containers.

COLOR RANGE

RIALTO ANTIQUA is available in a wide range of colors. See relevant color chart and/or Collezione Italia fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 150 kg.

RIALTO ANTIQUA base 100 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 5% by weight. Since this is a mineral product, the color may be different from the sample color due to different production batches, different absorption rate of substrates or weather conditions during which the product is applied. For this reason, it is advisable to work using the same production batch.



REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO EPOCA OTTOCENTO

RIALTO EPOCA MARMO

RIALTO EPOCA SPATOLATO

RIALTO WALLCEM BIANCO

RIALTO FONDO DI ADERENZA

RIALTO ISOCAL

RIALTO DURASIL

WORLD OF COLORS LEAFLET



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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EPOCA MARMO

Fine seasoned slaked lime based finishing coating for interiors and exteriors

RIALTO EPOCA MARMO replicates the true smooth marmoreal and mineral look of the ancient lime plasters, usually called and known under the name "Marmorino". It is made up of seasoned slaked lime rich of magnesium, selected white Carrara marbles, natural earths, inorganic pigments and mineral additives. It is finer than **RIALTO ANTIQUA 1** and coarser than **RIALTO EPOCA SPATOLATO**. **EPOCA MARMO** makes possible finishes not possible using other products that are smooth and shiny with body and depth

PROPERTIES

- ready to use
- allows surfaces to breathe:
- 410 g/m² - 24 h (DIN 53122 regulations), $\mu=50$, Sd=0.04 m
- adheres perfectly to backing (20 kgf/cm²)
- marine air resistant (400 hours exposure – ASTM-B 117)
- withstands with alkali corrosion
- not prone to shrinkage if thin layers of product are applied
- abrasion resistant
- not flammable
- does not flake or peel
- specific gravity: 1.65 ± 0.05 kg/l
- pH: 13.5 ± 0.5
- viscosity at quality control: non –Newtonian product
- average value > 36.000 ± 2.000 mPas
- percentage solids: 70 ± 2% by weight

PURPOSES

RIALTO EPOCA MARMO is ideal for giving interior and exterior surfaces a natural decorative effect with a marmoreal mineral look. The high quality of its natural components makes possible different application methods from a rustic look rich of shadowy fine hints to smoother surfaces with a monumental look that can satisfy the demanding requirements of the preservation organizations like the Italian "Supervisory Boards of Cultural and Environmental Heritage".

RIALTO EPOCA MARMO is widely used especially in carrying out conservation work on buildings located in areas of historical interest.

Provided that surfaces are sound and clean **RIALTO EPOCA MARMO** is suitable for the following applications:

- fine plasters
- surfaces smoothed down with **RIALTO WALLCEM**
- surfaces treated with adhesion promoter **RIALTO FONDO DI ADERENZA 1**
- special anti-damp or surface-restoring plasters

WORKING INSTRUCTIONS

- when applying either to plaster which is old or covered with traces of old paint or to new plaster with cracks or which has been filled in, remove loose material and dampen all the surface with water before smoothing it down with **RIALTO WALLCEM** and let it dry for 24 hours before application of **RIALTO EPOCA MARMO**
- if the surface is sound and smooth but not compatible with application of lime based coating, (bad adhesion), for example acrylic paints and coatings, apply one or two coats of adhesion promoter **RIALTO FONDO DI ADERENZA 1** and let it dry for at least 48 hours
- if the surface is dusty or too absorbent, apply a priming coat of anti-efflorescence **RIALTO DURASIL** and leave for at least 48 hours before applying **RIALTO EPOCA MARMO**
- for protection against salt efflorescence, apply a generous coat of **RIALTO ISOCAL** to the dry surface and leave for at least 48 hours before applying **RIALTO EPOCA MARMO**
- apply **RIALTO EPOCA MARMO** with stainless steel trowel in two coats and polish with same tool, allows 24 hours before applying next coat
- do not apply at air surface temperature below 8°C (46°F) or exceeding 35°C (95°F) and relative humidity of the air >75%.
- store the product at a temperature of above 5°C (41°F) and not exceeding 30°C (86°F)
- protect the newly applied coat from heavy rain for about 48 hours
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERAGE

The average coverage of **RIALTO EPOCA MARMO** is 1,0 kg/sqm (100 sq.ft./pail/coat) first coat and 1,50 kg/sqm (70 sq.ft./pail) two coats applied to fine plaster.

PACKAGING

RIALTO EPOCA MARMO is available in 10 kg containers.

COLOR RANGE

RIALTO EPOCA MARMO is available in a wide range of colors. See relevant color chart and/or Spatula Stuccos fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 150 kg.

RIALTO EPOCA MARMO base 100 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 4% by weight. Since this is a mineral product, the color may be different from the sample color due to different production batches, different absorption rate of substrates or weather conditions during which the product is applied. For this reason, it is advisable to work using the same production batch.



REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO WALLCEM BIANCO

RIALTO FONDO DI ADERENZA

RIALTO ISOCAL

RIALTO DURASIL

WORLD OF COLORS LEAFLET



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EPOCA OTTOCENTO

Seasoned slaked lime based paint for interiors and exteriors

RIALTO EPOCA OTTOCENTO has a brushed mat and glazed decorative appearance. It is composed of seasoned slaked lime, natural earth, selected Carrara marble chippings, inorganic oxides, and mineral additives.

PROPERTIES

RIALTO EPOCA OTTOCENTO is marked by and stands out for the following characteristics:

- it allows excellent breathability:
430 g/m²-24h (DIN 53122 Regulations), $\mu=140$, Sd=0.05 m
- it adheres perfectly to backing (32 kgf/cm²)
- it withstands alkali corrosion
- it is highly abrasion resistant
- it is non-flammable - does not flake
- it is a reversible finish
- specific gravity: 1.38 ± 0.03 kg/l
- pH: 13 ± 0.5
- viscosity: non-Newtonian fluid;
average value $8,000 \pm 1.000$ mPas
- dry residue: $54 \pm 0.1\%$ by weight

PURPOSES

RIALTO EPOCA OTTOCENTO is ideal for use on exterior masonry surfaces to which an "old-lime" watercolor effect is desired, as required by the Supervisory Boards for Cultural and Environmental Heritage.

RIALTO EPOCA OTTOCENTO is widely used especially in carrying out historic restoration work.

Provided surfaces are sound and clean, **RIALTO EPOCA OTTOCENTO** coating can be applied to:

- fine plasters
- coarse plasters
- tuff
- surfaces smoothed down with **RIALTO WALLCEM**
- surfaces treated with adhesion promoter **RIALTO FONDO DI ADERENZA**
- special dehumidifying plasters, with preventive and restoring action

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)
- on exterior patched plaster or surfaces with damaged old paint, remove old paint, level off entire surface using **RIALTO WALLCEM** and allow at least 24 hours before starting the finishing treatment
- if the surface is sound and smooth but not compatible with application of lime based coating, (bad adhesion), for example acrylic paints and coatings, apply one or two coats of adhesion promoter **RIALTO FONDO DI ADERENZA** and let it dry for at least 48 hours
- on extremely porous or dusty exterior surfaces, such as tuff, apply to fully saturate the surface a coat of hardening water-repellent anti-saline efflorescence single-component **RIALTO DURASIL**, and allow at least 48 hours before applying **RIALTO EPOCA OTTOCENTO**
- to give the plaster an anti-saline efflorescence and water-repellent treatment, apply to fully saturate the surface a coat of **RIALTO ISOCAL** on perfectly dry surfaces and allow at least 48 hours before applying **RIALTO EPOCA OTTOCENTO**
- stir thoroughly before use, making sure the product is well mixed; if not, use a mechanical mixer
- apply using a brush, diluting the product to not more than 25% with water
- allow 24 hours before applying next coat
- do not apply at air surface temperature below 8°C (46°F) or exceeding 35°C (95°F) and relative humidity of the air >75%.
- store the product at a temperature of above 5°C (41°F) and not exceeding 30°C (86°F)
- protect applied coat from rain for approximately 48 hours
- it is advisable to use pastel colors only, as well as white
- do not pollute the environment
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Covering capacity is approximately 3-3.5 m²/l (123-143 sq.ft./gal) for two coats.

PACKAGING

RIALTO EPOCA OTTOCENTO is available in 15 l containers.

COLOR RANGE

RIALTO EPOCA OTTOCENTO is available in a wide range of colors. See relevant color chart and/or Collezione Italia fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 75 l.

RIALTO EPOCA OTTOCENTO base 100 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 6% by weight

Since this is a mineral product, the color may be different from the sample color due to different production batches, different absorption rate of substrates or weather conditions during which the product is applied. For this reason, it is advisable to work using the same production batch.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO WALLCEM BIANCO

RIALTO FONDO DI ADERENZA

RIALTO ISOCAL

RIALTO DURASIL

WORLD OF COLORS LEAFLET



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EPOCA SPATOLATO

Seasoned slaked lime based finishing stucco for interiors and exteriors

RIALTO EPOCA SPATOLATO has a glossy spatula effect. It is made up of seasoned slaked lime, natural pigments and oxides, selected white Carrara marbles, mineral additives.

PROPERTIES

RIALTO EPOCA SPATOLATO is marked by and stands out for the following characteristics:

- it is ready to use
- it allows surfaces to breath:
430 g/m² in 24 hours (DIN 53122 Regulations),
 $\mu=80$, $S_d=0.05$ m
- it adheres perfectly to backing (32 kgf/cm²)
- it withstands alkali corrosion
- it is not prone to shrinkage if thin layers of product are applied
- it is abrasion resistant; > 12.000 Gardner cycles
- it is non flammable
- it does not flake or peel
- specific gravity: 1.60 ± 0.05 kg/l
- pH: 13.5 ± 0.5
- viscosity: non-Newtonian product; average value
>40,000 \pm 2.000 mPas
- dry residue: $66 \pm 1\%$ by weight

PURPOSES

RIALTO EPOCA SPATOLATO is ideal for use on exterior masonry surfaces to which a decorative, "old" effect is given, as required by the Supervisory Boards for Cultural and Environmental Heritage. **RIALTO EPOCA SPATOLATO** is widely used especially in carrying out conservation work on buildings located in areas of historical interest.

Provided that surfaces are sound and clean, **RIALTO EPOCA SPATOLATO** is suitable for the following applications:

- fine plasters
- coarse plasters
- old plasters
- tuff
- white surfaces smoothed down with **RIALTO WALLCEM**
- surfaces treated with adhesion promoter **RIALTO FONDO DI ADERENZA**
- special anti-damp or surface-restoring plasters
- lime based fine plaster **RIALTO ANTIQUA 1**
- lime based basecoat **RIALTO NLP** to create the "Encausto effect"

WORKING INSTRUCTIONS

- on new and smooth plaster interiors apply **RIALTO EPOCA SPATOLATO** directly; if the surface is dusty or too absorbent, apply a coat of **RIALTO PRIMER** diluted with 8 parts of water before applying **RIALTO EPOCA SPATOLATO**, in order to reduce absorption
- on old exterior plaster or surfaces where paint is peeling and new plaster where cracks have appeared or to which filler has been applied, remove loose or dusty material, wet surface and then apply **RIALTO WALLCEM**. Allow at least 24 hours for surface to dry before applying **RIALTO EPOCA SPATOLATO**, allow 24 hours before applying next coat
- if the surface is sound and smooth but not compatible with application of lime based coating, (bad adhesion), for example acrylic paints and coatings, apply one or two coats of adhesion promoter **RIALTO FONDO DI ADERENZA** and let it dry for at least 48 hours
- on exterior walls or for protection against salt efflorescence apply a generous coat of **RIALTO ISOCAL** to dry surface and leave for at least 48 hours before applying **RIALTO EPOCA SPATOLATO**
- if the surface is dusty or too absorbent, apply a priming coat of anti - efflorescence **RIALTO DURASIL** and leave for at least 48 hours before apply **RIALTO EPOCA SPATOLATO**
- do not apply at air surface temperature below 8°C (46°F) or exceeding 35°C (95°F) and relative humidity of the air >75%.
- store the product at a temperature of above 5°C (41°F) and not exceeding 30°C (86°F)
- protect the newly applied coat from heavy rain for about 48 hours

COVERING CAPACITY

When the product is applied with a trowel or float, the average covering capacity will vary from 0.8 to 1.2 kg/m² (4-6 sq.ft./lb) for three coats.

PACKAGING

RIALTO EPOCA SPATOLATO is available in 10 kg containers.

COLOR RANGE

RIALTO EPOCA is available in a wide range of colors. See relevant color chart and/or Spatula Stuccos fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 150 kg.

RIALTO EPOCA SPATOLATO base 100 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 3% by weight. Since this is a mineral product, the color may be different from the sample color due to different production batches, different absorption rate of substrates or weather conditions during which the product is applied. For this reason, it is advisable to work using the same production batch.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER

RIALTO WALLCEM BIANCO

RIALTO FONDO DI ADERENZA

RIALTO ISOCAL

RIALTO DURASIL

WORLD OF COLORS LEAFLET



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SINOPIA

Seasoned slaked lime based fine coating for interiors

RIALTO SINOPIA is a colored, mineral-based coating giving an overall suede-like effect.

It is composed of seasoned slaked lime, colored earth, inorganic pigments, and aggregates selected according to granulometric criteria.

RIALTO FIX 210 is a transparent finishing solution based on neutralized amino-functional polydimethylsiloxane which is used to make the finish water repellent and suede-like in texture when applied on **RIALTO SINOPIA**.

PROPERTIES

RIALTO SINOPIA is ideal to give interior walls a prestigious, smooth, suede-like appearance:

- it allows surfaces to breathe (320 g/m² - 24 h DIN 53122), $\mu=320$, Sd=0.16 m
- it adheres excellently to the surfaces stated below (11 kgf/cm²)
- it is ready to use
- it has considerable workability
- it does not crack
- it is resistant to alkaline aggression
- it is extremely resistant to abrasion: 12,000 Gardner cycles
- it does not pulverize
- it is non-flammable
- it is a reversible finish
- it is perfectly suitable for natural and biological architecture
- pH: 12.5 ± 0.5
- specific gravity: 1.8 ± 0.05 kg/l
- viscosity: non-Newtonian fluid; average value 36,000 ± 1,500 mPas
- volume solids: 71 ± 2% by weight

PURPOSES

Provided the surfaces are sound and dry, **RIALTO SINOPIA** can be applied to the following surfaces:

- new finely spread coarse plasters
- new plasters
- surfaces smoothed down with **RIALTO WALLCEM**
- surfaces treated with adhesion promoter **RIALTO FONDO DI ADERENZA 1**
- **RIALTO FINISH**
- **RIALTO MALTA FINE FM**

WORKING INSTRUCTIONS

On gypsum and plaster-board:

- apply a layer of **RIALTO PRIMER** diluted with water 1:8 (1 part of **RIALTO PRIMER** to 8 parts of water)
- apply a layer of **RIALTO FINISH** diluted with 15% water
- allow surface to dry and then apply **RIALTO SINOPIA**

On old restored plaster:

- smooth down surface with **RIALTO WALLCEM BIANCO**
- allow surface to dry and then apply **RIALTO SINOPIA**

On old washable paint:

- apply a coat of **RIALTO FONDO DI ADERENZA 1** allow surface to dry for at least 48 hours then apply **RIALTO SINOPIA**

On old tempera or lime-based paint:

- remove tempera or lime-based paint
- apply a coat of **RIALTO FONDO DI ADERENZA 1** allow surface to dry for at least 48 hours then apply **RIALTO SINOPIA**

RIALTO SINOPIA is applied with the following technique:

- apply two even coats of **RIALTO SINOPIA** using a stainless steel trowel and finish off with wet sponge float when it starts to set
- once the product is dry, sand down lightly and remove all dust from surface
- to make surface water-repellent with a suede-like texture, spray **RIALTO FIX 210** (1 part of **RIALTO FIX 210** to 15 parts of water) onto surface working from the bottom upwards.
- do not apply at temperatures below 7°C (44°F) or higher than 30°C (86°F).
- keep in its own sealed container at temperatures ranging from 7°C (44°F) to 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

Average consumption:

RIALTO SINOPIA 1,2 kg/m² (2.2 lb/sq.yd) for two coats.

RIALTO FIX 210 100 m²/l (450 sq.yd/gal)

PACKAGING

RIALTO SINOPIA is available in 25 kg containers.

RIALTO FIX 210 is available in 0.5 l containers.

COLOR RANGE

RIALTO SINOPIA is available in a wide range of colors. See relevant color chart and/or Collezione Italia fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 150 kg.

RIALTO SINOPIA base 100 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 5% by weight. Since this is a mineral product, the color may be different from the sample color due to different production batches, different absorption rate of substrates or weather conditions during which the product is applied. For this reason, it is advisable to work using the same production batch.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER

RIALTO FINISH

RIALTO FONDO DI ADERENZA

RIALTO WALLCEM BIANCO

RIALTO MALTA FINE FM

WORLD OF COLORS LEAFLET



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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Siloxane and photocatalytic finishes

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DOMOSIL

Decorative and protective siloxane finishing paint

RIALTO DOMOSIL is a smooth coating with matt finish. It is a single-can product made up of oligomeric siloxanes, lifelong fungicide-bactericide, select graded micronized aggregates, and pigments unaffected by ultra-violet rays.

PROPERTIES

RIALTO DOMOSIL is marked by and stands out for the following characteristics:

- high water vapor permeability:
 $>230 \text{ g/m}^2\text{-24h}$ (DIN 53122) $\mu=410$, $S_d=0.09 \text{ m}$
- it is water repellent with outstanding weather resistance
- it is resistant to alkalis and acid rain
- it is wash resistant
- it has very good adhesion (35 kgf/cm^2)
- it has very good resistance to UV rays (non-yellowing)
- it prevents the formation of mould
- it can be easily applied using either a paintbrush, roller or spray
- it is non harmful (in compliance with EC regulations)
- it is non-flammable
- it is abrasion resistant: 12,000 Gardner cycles
- specific gravity: $1.42 \pm 0.02 \text{ kg/l}$
- pH: 8 ± 0.2
- viscosity: $8,000 \pm 1,000 \text{ mPas}$
- dry residue: $60 \pm 0.5\%$ by weight
- resin dry residue out of total volume solids: $20 \pm 0.5\%$ by weight

PURPOSES

RIALTO DOMOSIL guarantees permanent protection against the weathering effects of water and acid rain, while still allowing walls to breath. It has smooth matt finish which highlights the features of the surface. Thanks to its properties and attractive appearance it is ideal both for new buildings and those requiring water-repellency and permeability together with even shades of color. Prior to use, surfaces should be sound and dry.

After preparation **RIALTO DOMOSIL** can be applied to:

- plasters
- architectural concrete
- building boards
- bricks and tuff
- pre-painted surfaces
- surfaces smoothed down with **RIALTO WALLCEM**
- gypsum
- plasterboards

WORKING INSTRUCTIONS

External use:

- apply a generous coat of **RIALTO ISOCAL** anti-efflorescence water-repellent primer to concrete, new bricks and new plaster, well dried and left to rest for at least 28 days
- if the surface is dusty or too absorbent, apply a priming coat of anti-efflorescence **RIALTO ISOCAL** or **RIALTO DURASIL** and leave for at least 48 hours
- on new traditional lime based plaster, apply a generous coat of **RIALTO ISOCAL** or **RIALTO DURASIL** only after plaster has dried for two months
- remove loose material from deteriorated plaster and smooth the surface with **RIALTO WALLCEM** before applying a generous coat of **RIALTO ISOCAL**
- remove surface efflorescence from bricks or plaster and apply a generous coat of **RIALTO ISOCAL**
- apply two coats of **RIALTO DOMOSIL** after at least two days. After applying the first coat (diluted with 35% - 40% water) using a brush, leave for at least 12 hours and then apply the second coat (diluted with 30% - 35% water)
- dilute only the amount of product to be used within the following 12 hours
- it is advisable to stir the product thoroughly when diluting
- wash brushes and equipment with water immediately after use
- do not apply in rainy and windy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun

Indoor use:

- apply **RIALTO DOMOSIL** to new plaster or to **RIALTO WALLCEM** following the same steps as for outdoor use
- apply a coat of **RIALTO PRIMER** diluted with 1:7 water before applying **RIALTO DOMOSIL** to plasterboard or pre-painted surfaces
- dilute only the amount of the product to be used within the following 12 hours
- it is advisable to stir the product thoroughly when diluting
- wash brushes and equipment with water immediately after use
- store the product in a dry place at a temperature not lower than 5°C (41°F) or exceeding 30°C (86°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The spreading rate is approximately 6 m²/l (240 sq.ft./gal) for two coats, based on finely spread plaster, but it can vary depending on the surface and the absorption rate.

PACKAGING

RIALTO DOMOSIL is available in 15 l containers.

COLOR RANGE

RIALTO DOMOSIL is available in a wide range of colors. See relevant color chart and/or Collezione Italia fan deck.

Shades not included in the color range are also available on demand at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 45 l.

RIALTO DOMOSIL white color and the three bases can be tinted with **RIALTO INORGANIC TINTING PASTES** with the following quantities:

BASE 100: max 5% of colorants by weight

BASE 300: max 8% of colorants by weight

BASE 400: max 10% of colorants by weight

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER

RIALTO WALLCEM GRIGIO

RIALTO WALLCEM BIANCO

RIALTO ISOCAL

RIALTO DURASIL



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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PHOTOCATALYTIC DOMOSIL

Decorative and protective photocatalytic siloxane paint, water repellent, characterized by a high water vapor permeability

RIALTO PHOTOCATALYTIC DOMOSIL is a smooth coating with matt finish. It is a single-can product made up of oligomeric siloxanes, lifelong fungicide-bactericide, select graded micronized inert inorganic pigments, titanium dioxide, nanometric elements and active ingredients for photocatalytic decomposition of main atmospheric/airborne pollutants.

Characteristic	Rialto Photocatalytic Domosil features	Method / Normative
White point	Excellent L 96,58; a -0,74; b + 1,26	Total coverage spectrophotometric reading
Hiding power	Excellent - Y = 99.90%	Unichim 1631
Dirt pick-up	Very low $\Delta L = 0,1$	UNI 10792
Vapor transmission rate	High	UNI EN ISO 7783-2:2001
Wet scrub resistance	Excellent	UNI 10560
Gloss/brightness degree	Matt	UNI 9389
Mould resistance	Yes	UNI 9805
Film formation at fixed low temperature	Good	UNI 10793
Pollutants' degradation	> 40%	Methylene Blue test (fluotest forte)

PROPERTIES

RIALTO PHOTOCATALYTIC DOMOSIL is marked by and stands out for the following characteristics:

- high water vapor permeability: 240 g/m²-24h (DIN 53122)
- $\mu=400$, Sd=0.08 m
- it is water repellent with outstanding weather resistance
- it is resistant to alkalis and acid rains, protects surfaces from dirt and dust and it is self-cleaning. Due to solar beam (U.V. rays) it promotes decomposition of benzene, formaldehyde, ammonia and gas compounds and helps to reduce bad smells.
- it is wash-resistant
- it is abrasion resistant
- It is not caustic
- it has very good adhesion (35 kgf/cm²)
- it has very good hiding power due to the use of nanometric compound
- it prevents the formation of mould
- it can be easily applied using either a paintbrush, roller or spray
- it is non harmful
- it is non-flammable
- specific gravity: 1.40 \pm 0.03 kg/l
- pH: 8 \pm 0.2
- viscosity: 7,500 \pm 1,000 mPas
- dry residue: 59.00 \pm 1.0% by weight

PURPOSES

RIALTO PHOTOCATALYTIC DOMOSIL guarantees a permanent surface protection against the weathering effects of water, the acid rains, while still allowing walls to breath and has a water repellent effect too.

It ensures an effective anti-pollution action and preserve from dirt the walls thanks to the transformation of pollutants compounds in water-soluble or inert ones; thus it prevents the walls to get dirty and malodorous

It has smooth matt finish which highlights the decorative effect.

Thanks to its properties and attractive appearance it is ideal both for new buildings and for those requiring water-repellency and permeability, combined to self cleaning properties.

Provided surfaces are sound and clean **RIALTO PHOTOCATALYTIC DOMOSIL** coating can be applied to:

- fine plasters
- concrete
- prefabricated elements
- bricks and tuff
- sound old paints
- surfaces smoothed down with **RIALTO WALLCEM**

WORKING INSTRUCTIONS

- prepare scaffolding so as to allow continuous application until architectural impediments are encountered (string-courses, corners, joints, etc.)
- apply a generous coat of anti-efflorescence water-repellent primer as **RIALTO ISOCAL** or **RIALTO DURASIL** to concrete, new bricks and well dried new plaster(left to rest for at least 28 days)
- on new traditional lime based plaster, apply a generous coat of **RIALTO ISOCAL** or **RIALTO DURASIL** only after plaster has dried for two months
- remove loose material from deteriorated plasters and smooth the surface with **RIALTO WALLCEM** before applying a generous coat of **RIALTO DURASIL**.
- if the surface is dusty or too absorbent, apply a priming coat of anti-efflorescence **RIALTO DURASIL** or **RIALTO ISOCAL** and leave to dry for at least 48 hours
- remove surface efflorescence from bricks or plaster and apply a generous coat of **RIALTO DURASIL** or **RIALTO ISOCAL** and leave to dry for at least 48 hours
- apply two coats of **RIALTO PHOTOCATALYTIC DOMOSIL**. After applying the first coat (diluted with 35% - 40% water) using a brush, leave to dry for at least 12 hours and then apply the second coat (diluted with 30% - 35% water)
- it is advisable to stir the product thoroughly when diluting
- dilute only the amount of product to be used within the following 12 hours
- wash brushes and equipment with water immediately after use
- do not apply in rainy and windy weather, when temperatures are below 7°C (44°F) and never on surfaces either frozen or overheated by the sun or in case of strong wind
- dispose of product with care
- dispose of waste through authorized waste disposal services
- store the product in a dry place at a temperature not lower than 5°C (41°F) or exceeding 30°C (86°F)

COVERING CAPACITY

The spreading rate is approximately 6 m²/l (240 sq.ft./gal) for two coats, based on finely spread plaster, but it can vary depending on the surface and the absorption rate.

PACKAGING

RIALTO PHOTOCATALYTIC DOMOSIL is available in 15 l containers.

COLOR RANGE

RIALTO PHOTOCATALYTIC DOMOSIL is available in white and shades obtained using inorganic pigments only.

It is advisable to work using the same production batch.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO WALLCEM GRIGIO

RIALTO WALLCEM BIANCO

RIALTO ISOCAL

RIALTO DURASIL



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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VELASIL

Siloxane veiled effect for interiors and exteriors

RIALTO VELASIL provides a smooth and cloudy opaque effect. It is a single-can product made from oligomeric siloxanes, permanent anti-mould agents, selected aggregates in the correct granulometric proportion, and pigments resistant to UV rays.

PROPERTIES

RIALTO VELASIL is marked by and stands out for the following characteristics:

- it allows surfaces to breathe:
>250 g/m² - 24h (ASTM-E96 Regulations)
- it is water repellent and weather-resistant
- it is resistant to alkalis and acid rain
- it can be washed
- it has remarkable adhesion properties (40 kgf/cm²)
- it is resistant to UV rays (7 on the blue scale)
- it prevents mould forming
- it can be applied by brush
- it is not harmful
- it is non-flammable
- resistance to abrasion: 10,000 Gardner cycles
- specific gravity: 1.22 ± 0.02 kg/l
- pH: 8 ± 0.2
- viscosity: 5,000 ± 500 mPas
- dry residue: 55 ± 2% by weight

PURPOSES

RIALTO VELASIL is particularly suitable to provide facades with a decorative effect and permanent protection against the damaging effect of water and acid rain, while allowing surfaces to breathe. This product provides an opaque finish and a slightly glazed effect. Thanks to its characteristics and appearance, this product is ideal for new buildings and constructions where surfaces must be made water-repellent, but also allowed to breathe by a product granting a glazed effect.

Provided the surfaces to which the product is to be applied are firm and perfectly dry, **RIALTO VELASIL** can be applied as a finish over the following products :

- **RIALTO ANTIQUA**
- **RIALTO DOMOSIL**
- **RIALTO EPOCA OTTOCENTO**
- **RIALTO MARINA**



WORKING INSTRUCTIONS

Exteriors:

- prepare scaffolding so as to allow continuous application until architectural or structural barriers are reached
- in order to make the surface perfectly water-repellent and to prevent salt from forming, apply a coat of **RIALTO ISOCAL** on well dried concrete, new bricks and plaster made with lime-and-cement mortar (seasoned 28 days at least)
- if the surface is dusty or too absorbent, apply a priming coat of anti - efflorescence **RIALTO DURASIL** and leave for at least 28 hours before applying the finishing coat
- apply a coat of **RIALTO ISOCAL** on new plaster made with lime-based mortar to full absorption, provided at least two months have passed since the plaster was applied
- remove all loose material from old, damaged plaster and smooth down surface with **RIALTO WALLCEM**. Apply a coat of **RIALTO ISOCAL** to full absorption
- remove any salt formation from brick or concrete surfaces and apply a coat of **RIALTO ISOCAL** to full absorption
- after at least two days apply:
 1. a coat of **RIALTO ANTIQUA** and two coats of **RIALTO VELASIL** or
 2. a coat of **RIALTO DOMOSIL** and two coats of **RIALTO VELASIL** or
 3. a coat of **RIALTO EPOCA OTTOCENTO** and two coats of **RIALTO VELASIL** or
 4. two coats of **RIALTO MARINA** and two coats of **RIALTO VELASIL**
- use a wet brush to apply **RIALTO VELASIL** 35% diluted with water by volume. Cross brush strokes when applying product
- mix product thoroughly when diluting
- do not apply product when it is raining or when temperatures are lower than 7°C (44°F) or higher than 30°C (86°F) and relative humidity of the air > 75%. Never apply product to frozen or overheated surfaces or in windy weather

Interiors:

- apply a coat of **RIALTO DOMOSIL** bianco as a primer on new plaster or **RIALTO WALLCEM**
- apply a coat of **RIALTO PRIMER** diluted with water (1:7) before applying **RIALTO DOMOSIL** to old, dusty paint or plasterboard. Finish surface with two coats of **RIALTO VELASIL**
- use a wet brush to apply **RIALTO VELASIL** 35% diluted with water by volume. Cross brush strokes when applying product
- mix product thoroughly when diluting
- clean brushes and any other utensils with water immediately after use
- store product in its container in a dry place at temperatures of at least 5°C (41°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average spreading rate of **RIALTO VELASIL** is 15 m²/l (68 sq.yd/gal) for two coats. The spreading rate is calculated on finished plaster and varies according to the porosity of the surface to be treated.

PACKAGING

RIALTO VELASIL is available in 4 l containers.

COLOR RANGE

RIALTO VELASIL is available in 7 colors in addition to the transparent base (Base 400).

RIALTO VELASIL base 400 (transparent base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 3% by weight.

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER
RIALTO EPOCA OTTOCENTO
RIALTO ANTIQUA
RIALTO ISOCAL
RIALTO WALLCEM BIANCO
RIALTO DOMOSIL
RIALTO DURASIL
RIALTO MARINA
VELASIL LEAFLET

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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Stuccos

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METALLIC STUCCOS	
ORO / ARGENTO	122
BRONZO / OTTONE	123
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EVOLUTION

Interior wall stucco

RIALTO EVOLUTION is a coating with a glazed spatula effect, which is either a glossy or opaque finish depending on the technique used to apply the product. **RIALTO EVOLUTION** is made from selected aggregates in the correct granulometric proportion, natural earth, and oxides resistant to UV rays and comprises alkali-resistant acrylic resin binder.

PROPERTIES

RIALTO EVOLUTION is marked by and stands out for the following characteristics:

- it allows surfaces to breathe
- it has remarkable adhesion properties
- it is not prone to shrinkage
- it is ready to use
- it can be washed
- it is not harmful and is solvent-free
- it is non-flammable
- it is reversible
- specific gravity: 1.60 ± 0.05 kg/l
- pH: 8 ± 0.5
- viscosity: $35,000 \pm 3,000$ mPas
- dry residue: $70 \pm 1\%$ by weight

PURPOSES

RIALTO EVOLUTION is ideal for providing a soft, elegant spatula effect to walls. It is used extensively in restoration work in old and newly constructed buildings.

Provided the surfaces to which the product is to be applied are firm and perfectly dry, **RIALTO EVOLUTION** can be applied on the following surfaces:

- finished plasters
- prefabricated boards
- plasterboards
- chalk-finished surfaces
- old mineral or water-based paints
- cement plaster made with **RIALTO WALLCEM**
- **RIALTO EVOLUTION** is the ideal undercoat to the luxury **RIALTO METALLIC STUCCO** effects for interiors, see relevant leaflet for details

WORKING INSTRUCTIONS

- clean surface to be treated and remove any loose material
- apply a coat of **RIALTO PRIMER** diluted with water (1:8) to dusty surfaces, old friable paint or surfaces with high absorption properties
- in order to make the color of the undercoat even, apply a coat of **RIALTO ZIP** diluted with 15% of water
- apply the first coat of **RIALTO EVOLUTION** using a stainless steel trowel leaving a 0.3 mm layer (undercoat)
- once the product has dried (on average 4-6 hours), apply two coats of **RIALTO EVOLUTION** using a stainless steel trowel or spatula and polish while the product is being applied
- when the product has dried completely, it can be polished using a stainless steel spatula
- if you want a completely water-repellent and evenly glossy surface, apply a thin layer of **RIALTO CERA D'ARTE** using a stainless steel trowel and before it dries polish the surface using the trowel
- do not apply the product if the temperature of the surface is lower than 7°C (46°F) or higher than 30°C (86°F)
- store product in a sealed container in a dry place at temperatures higher than 7°C (46°F) and lower than 40°C (104°F)
- do not pollute the environment
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average covering capacity of **RIALTO EVOLUTION** depends on the application method and especially on the type of surface to be treated. It varies from 0.7 to 0.9 kg/m² (1.28-1.68 lb/sq.yd) for three coats.

PACKAGING

RIALTO EVOLUTION is available in 10 kg containers.

COLOR RANGE

RIALTO EVOLUTION is available in a wide range of colors. See relevant color chart and/or Spatula Stuccos fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 80 kg.

RIALTO EVOLUTION base 100 (white base) can be tinted with **RIALTO TINTING PASTES** with a max suggested quantity of 4% by weight. Since it is a spatula stucco, the final color may be different from the sample color, due to different substrates, technique of application and absorption. Product of the same batch number should be used for a job

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

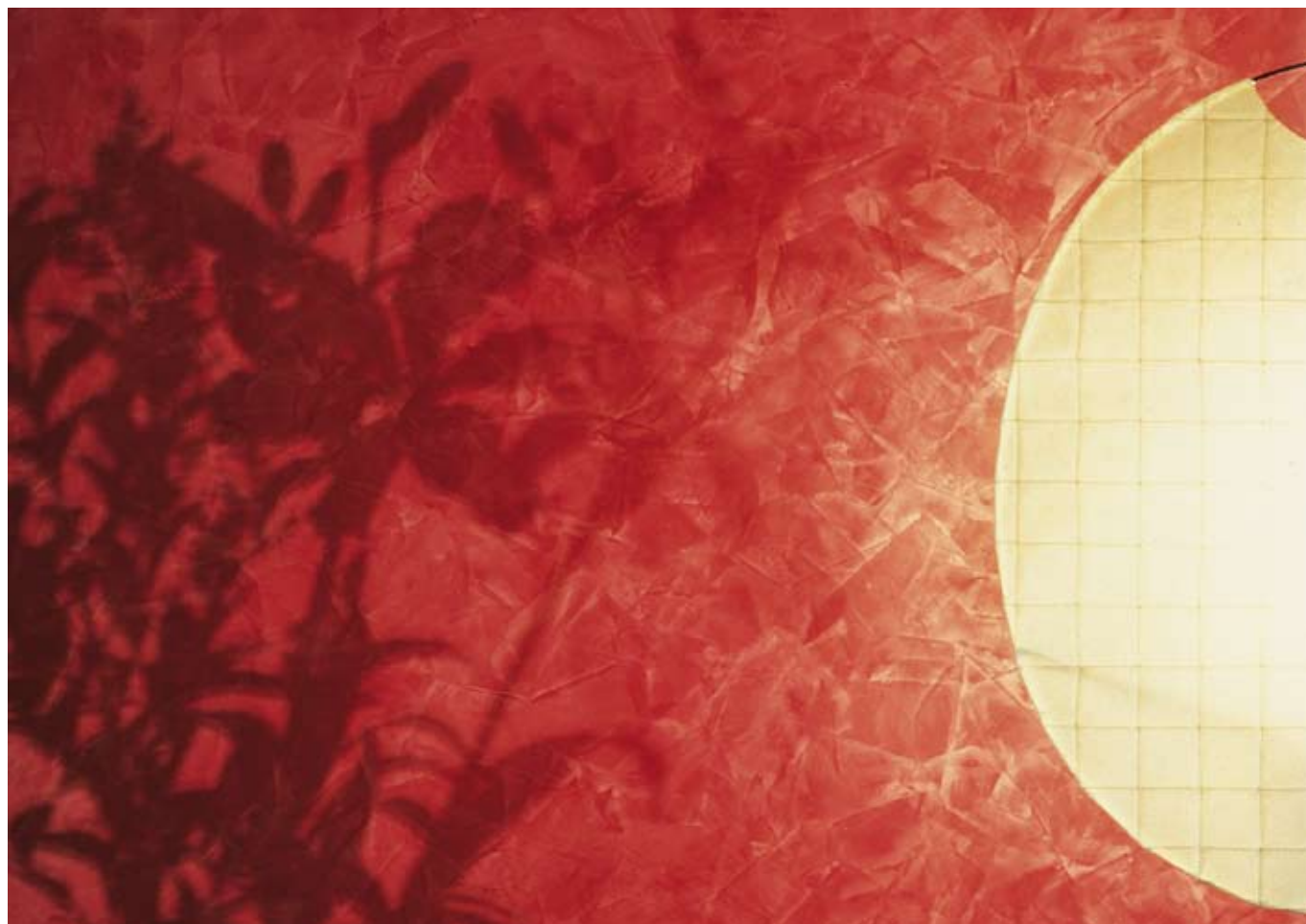
RIALTO PRIMER

RIALTO ZIP

RIALTO WALLCEM GRIGIO

RIALTO WALLCEM BIANCO

RIALTO CERA D'ARTE



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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SOLUTION

Siloxane glazed stucco for interiors and exteriors

RIALTO SOLUTION is a coating with glazed spatula effect, which is either glossy or opaque finish depending on the technique used to apply the product.

RIALTO SOLUTION is made from selected aggregates in the correct granulometric proportion, natural earth, and oxides resistant to UV rays, and comprises alkali-resistant modified siloxane resin binder.

PROPERTIES

RIALTO SOLUTION stands out for the following characteristics:

- it allows surfaces to breathe
- it provides excellent adhesion
- it is not prone to shrinkage
- it is ready to use
- it can be washed
- it is not harmful and is solvent-free
- it is non-flammable
- it is reversible
- specific gravity: 1.6 ± 0.05 kg/l
- pH: 8 ± 0.5
- viscosity: $35,000 \pm 3,000$ mPas
- dry residue: 70 ± 1 % by weight

PURPOSES

RIALTO SOLUTION is ideal for providing a soft, elegant spatula effect to walls. It is used extensively in restoration work in old and newly constructed buildings.

Provided the surfaces to which the product is to be applied are firm and perfectly dried **RIALTO SOLUTION** is suitable for the following applications:

- fine plasters
- prefabricated boards
- plasterboard
- old mineral or resin based paints

WORKING INSTRUCTIONS

- check carefully the surface to be treated, remove any loose material. Old friable paints have to be removed and surface has to be sound and clean
- on damaged plasters smooth down the surface using **RIALTO WALLCEM** (up to max 3 mm)
- on sound and dry surface apply one or two coats, by roller or brush, of **RIALTO FONDO DI ADERENZA 1**
- on new exterior plasters apply directly to fully saturate the surface a generous coat of water-repellent solution **RIALTO ISOCAL** or **RIALTO DURASIL** and allow at least 48 before applying **RIALTO SOLUTION**
- apply the first coat of **RIALTO SOLUTION** using a stainless steel trowel, leaving a thin but even thickness (undercoat)
- once the product has dried (on average 4 – 6 hours) apply the second and then third coat, and polish while the product is being applied
- **RIALTO SOLUTION** can be polished immediately after the application of the last coat using a stainless steel trowel or spatula
- if a higher shining level is required, a second polishing can be done after complete drying
- protect the coat from rain for at least 48 hours
- do not apply if there is a risk of rain or when air temperatures are below 7°C (44°F) or exceeding 30°C (86°F)
- never apply product on surfaces either frozen or overheated by the sun or in case of strong wind
- store the product in a sealed container, in a dry place, at temperatures higher than 7°C (44°F) and lower than 40°C (104°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

The average consumption of **RIALTO SOLUTION** depends on the application method and especially on the type of surface to be treated. It varies from 0.7 to 1kg/m² (1.28-2.00 lb/sq.yd) for three coats.

PACKAGING

RIALTO SOLUTION is available in 10 kg containers.

COLOR RANGE

RIALTO SOLUTION is available in a wide range of colors. See relevant color chart and/or Spatula Stuccos fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 80 kg.

RIALTO SOLUTION base 100 (white base) can be tinted with **RIALTO INORGANIC TINTING PASTES** with a max suggested quantity of 4% by weight

Since it is a spatula stucco, the final color may be different from the sample color, due to different substrates, technique of application and absorption.

Product of the same batch number should be used for a job.

REFERENCES

For further information regarding the products mentioned in the text, see the following data sheets:

RIALTO DURASIL

RIALTO FONDO DI ADERENZA

RIALTO ISOCAL

RIALTO WALLCEM



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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STUCCO ORO and STUCCO ARGENTO

Stucco finish with a metallic spatula effect for interiors

RIALTO STUCCO ORO/ARGENTO is a coating with a soft, smooth spatula effect, which can vary depending on how it is applied.

RIALTO STUCCO ORO/ARGENTO is composed of resins and special pigments.

PROPERTIES

RIALTO STUCCO ORO/ARGENTO is marked by and stands out for the following characteristics:

- very good adhesion
- not prone to shrinkage
- ready for use
- resistant to washing

PURPOSES

RIALTO STUCCO ORO/ARGENTO is ideal for giving walls a soft spatula effect with elegant shades of either metallic gold or silver and for this reason it is extremely suitable for particularly elegant and exclusive surroundings.

Depending on the desired finish, **RIALTO STUCCO ORO/ARGENTO** can be applied over **RIALTO EVOLUTION** and to the following substrates:

- fine plasters
- building boards
- plasterboards
- gypsum boards
- old mineral or resin based paints
- **RIALTO WALLCEM** cement plasters

COVERING CAPACITY

The average covering capacity (full effect) is 15-20 g/m² (0.3-0.6 oz/sq.yd).

PACKAGING

RIALTO STUCCO ORO/ARGENTO is available in 375 g containers.

WORKING INSTRUCTIONS

- clean the surfaces to be coated, removing any loose material and filling in where necessary
- if the surface is dusty or coated with old chalky or flaking paint, apply one coat of **RIALTO PRIMER** diluted with 8 parts of water
- apply a coat of **RIALTO ZIP**, diluted with 15% water to ensure an even color of the first coat **RIALTO STUCCO ORO/ARGENTO** "FULL FINISH"
- apply a coat of **RIALTO EVOLUTION** with a stainless trowel, leaving a layer of about 0.3 mm in thickness
- after the surface has dried (usually 6 hours), apply another coat of **RIALTO EVOLUTION** with a stainless steel trowel or spatula without polishing
- apply one or two coats of **RIALTO STUCCO ORO/ARGENTO**, using the traditional Venetian spatula technique (allow 1 hour before applying next coat)
- wipe down with a soft cloth to remove excess material and to obtain the desired effect
- **RIALTO STUCCO ORO** is applied over **RIALTO EVOLUTION S 015**
- **RIALTO STUCCO ARGENTO** is applied over **RIALTO EVOLUTION S 311**
- do not apply when temperatures are below 7°C (44°F) or higher than 30°C (86°F)
- store the product in the container at temperatures above 5°C (41°F) and not exceeding 40°C (104°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO WALLCEM

RIALTO EVOLUTION

RIALTO ZIP

METALLIC EFFECT LEAFLET

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

Every care has been taken to ensure that the information provided in this technical data sheet is accurate. **Harpo** is unable to guarantee results as it has no control over the conditions under which its products are applied.



STUCCO BRONZO and STUCCO OTTONE

Stucco finish with a metallic spatula effect for interiors

RIALTO STUCCO BRONZO/OTTONE is a coating with a soft, smooth spatula effect, which can vary depending on how it is applied.

RIALTO STUCCO BRONZO/OTTONE is composed of resins and special pigments.

PROPERTIES

RIALTO STUCCO BRONZO/OTTONE is marked by and stands out for the following characteristics:

- very good adhesion
- not prone to shrinkage
- ready for use
- resistant to washing

PURPOSES

RIALTO STUCCO BRONZO/OTTONE is ideal for giving walls a soft spatula effect with elegant shades of either metallic bronze or brass and for this reason it is extremely suitable for particularly elegant and exclusive surroundings.

Depending on the desired finish, **RIALTO STUCCO BRONZO/OTTONE** can be applied over **RIALTO EVOLUTION** and to the following substrates:

- fine plasters
- building boards
- plasterboards
- gypsum boards
- old mineral or resin based paints
- **RIALTO WALLCEM** cement plasters

COVERING CAPACITY

The average covering capacity (full effect) is 15-20 g/m² (0.3-0.6 oz/sq.yd).

PACKAGING

RIALTO STUCCO BRONZO/OTTONE is available in 375 g containers.

WORKING INSTRUCTIONS

- clean the surfaces to be coated, removing any loose material and filling in where necessary
- if the surface is dusty or coated with old chalky or flaking paint, apply one coat of **RIALTO PRIMER** diluted with 8 parts of water
- apply a coat of **RIALTO ZIP**, diluted with 15% water to ensure an even color of the first coat **RIALTO STUCCO BRONZO/OTTONE "FULL FINISH"**
- apply a coat of **RIALTO EVOLUTION** with a stainless trowel, leaving a layer of about 0.3 mm in thickness
- after the surface has dried (normally 6 hours), apply another coat of **RIALTO EVOLUTION** with a stainless steel trowel or spatula without polishing
- apply one or two coats of **RIALTO STUCCO BRONZO/OTTONE**, using the traditional Venetian spatula technique (allow 1 hour before applying next coat)
- wipe down with a soft cloth to remove excess material and to obtain the desired effect
- **RIALTO STUCCO BRONZO** is applied over **RIALTO EVOLUTION S 146**
- **RIALTO STUCCO OTTONE** is applied over **RIALTO EVOLUTION S 035**
- do not apply when temperatures are below 7°C (44°F) or higher than 30°C (86°F)
- store the product in the container at temperatures above 5°C (41°F) and not exceeding 40°C (104°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO WALLCEM

RIALTO EVOLUTION

RIALTO ZIP

METALLIC EFFECT LEAFLET

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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VENEZIANO

Glazed spatula stucco for interiors

RIALTO VENEZIANO has a soft, glazed spatula effect which can vary depending on the way it is applied and the effect desired.

It is made up of vinyl-acetate-acrylic terpolymer resin, selected aggregates, particular additives, and permanently active anti-mould agent.

PROPERTIES

RIALTO VENEZIANO is marked by and stands out for the following characteristics:

- it can be glazed perfectly with trowel
- it does not crack
- it has good adhesion properties
- it does not peel
- it is non-flammable
- it is non-toxic
- it is ready to use
- specific gravity: 1.8 ± 0.05 kg/l
- pH: 8 ± 0.5
- viscosity: $55,000 \pm 5,000$ mPas
- volume solids: $74 \pm 0.5\%$ by weight
- resin dry residue out of total dry residue: 8.5% by weight

PURPOSES

RIALTO VENEZIANO is ideal for giving the interiors of prestigious buildings like hotels, banks, offices, and refined surroundings a particular elegant appearance. The final glazed effect is that of classical Venetian stuccowork.

Provided the surfaces are sound and dry, **RIALTO VENEZIANO** can be applied to the following:

- fine interior plasters
- varnished or hard-finished plasters
- building boards
- plasterboards

WORKING INSTRUCTIONS

- clean surfaces and remove loose material. If the surface is dusty or coated with old chalky or flaking paint, apply **RIALTO PRIMER** diluted with 6 parts of water

depending on the desired effect proceed as follows:

Spatolato - puntinato

- apply a coat of **RIALTO VENEZIANO FONDO P.B.** with stainless steel trowel and leave for at least 24 hours. When the surface is perfectly dry, sand it and then smooth down with **RIALTO VENEZIANO SOTTOFONDO** using a stainless steel trowel. Apply three coats of **RIALTO VENEZIANO** with flexible stainless steel spatula, following the classical technique for the application of stucco

Annuvolato

- apply a coat of **RIALTO VENEZIANO SOTTOFONDO** with stainless steel trowel. After an interval of 24 hours, sand it by hands and remove possible imperfections of the basecoat, then apply **RIALTO VENEZIANO** using stainless steel trowel, following the technique for Venetian stuccowork. In order to obtain this effect more easily, color 3 parts of **RIALTO VENEZIANO SOTTOFONDO** with 1 part of **RIALTO VENEZIANO** of the same shade as that of the final effect desired

Spatolato - Veneziano (3D effect)

- apply a coat of **RIALTO VENEZIANO SOTTOFONDO** with stainless steel trowel. After an interval of 24 hours, sand it by hands and remove possible imperfections of the basecoat, then apply three coats **RIALTO VENEZIANO** with flexible stainless steel spatula, following the classical technique for the application of stucco
- store the product in the container at temperature above 5°C (41°F) and not exceeding 40°C (104°F)
- dispose of product with care
- dispose of waste through authorized waste disposal services

COVERING CAPACITY

RIALTO VENEZIANO SOTTOFONDO:
0.5-1 kg/m² (5-10 sq.ft./lb)

RIALTO VENEZIANO FONDO P.B.:
1.2 kg/m² (4 sq.ft./lb)

RIALTO VENEZIANO:
0.2-0.3 kg/m² (15-20 sq.ft./lb) for three coats

PACKAGING

RIALTO VENEZIANO SOTTOFONDO:
5 kg and 25 kg containers

RIALTO VENEZIANO FONDO P.B.:
25 kg containers

RIALTO VENEZIANO:
25 kg only for the white, 5 kg containers for all colors in the color range

COLOR RANGE

RIALTO VENEZIANO SOTTOFONDO: white

RIALTO VENEZIANO FONDO P.B.: grey

RIALTO VENEZIANO: available in a wide range of colors. See relevant color chart and/or Spatula Stuccos fan deck. Shades not included in the color range are also available at extra cost depending on the shade. A sample of the color must be provided. Minimum quantity: 80 kg.

RIALTO VENEZIANO base 100 (white base) can be tinted with **RIALTO TINTING PASTES** with a max suggested quantity of 4% by weight. Since it is a spatula stucco, the final color may be different from the sample color, due to different substrates, technique of application and absorption. Product of the same batch number should be used for a job

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO PRIMER



For further help or information regarding the products in the **RIALTO** range contact your local dealer.

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CERA D'ARTE

Protective wax for interiors

RIALTO CERA D'ARTE is a protective wax for interiors.

RIALTO CERA D'ARTE is a blend of aliphatic hydrocarbons, paraffin and esterified and polyethylene waxes.

PROPERTIES

RIALTO CERA D'ARTE is marked by and stands out for the following characteristics:

- it is ready to use
- it is easy to use
- it is water repellent
- it is anti-stain and wash-resistant
- it is perfectly transparent
- specific gravity: 0.79 ± 0.01 kg/l
- viscosity $30,000 \pm 1,000$ mPas
- flash point 40oC (104oF)

PURPOSES

RIALTO CERA D'ARTE is ideal to protect and make water-repellent **RIALTO VENEZIANO** and **RIALTO EVOLUTION**.

It can also be applied on other synthetic finishes with spatula effect, after a compatibility test has been performed.

WORKING INSTRUCTIONS

After **RIALTO VENEZIANO** and **RIALTO EVOLUTION** have been applied, and a minimum interval of 8 hours has elapsed, apply **RIALTO CERA D'ARTE** evenly and in thin layers, using a stainless steel trowel. Before the product is completely dry, it can be polished with the trowel or a rag. However, the product can be applied using other working methods, provided they are equally valid

- ensure adequate ventilation during application
- do not smoke or use naked flame while handling the product
- dispose of the product through specialized plants for waste disposal or authorized dumping areas

COVERING CAPACITY

The average covering capacity is 10 m²/l (45 sq.yd/gal).

PACKAGING

RIALTO CERA D'ARTE is available in 1 l and 5 l containers.

REFERENCES

For further information regarding the product mentioned in the text, see the following technical sheets:

RIALTO VENEZIANO

RIALTO EVOLUTION

For further help or information regarding the products in the **RIALTO** range contact your local dealer.

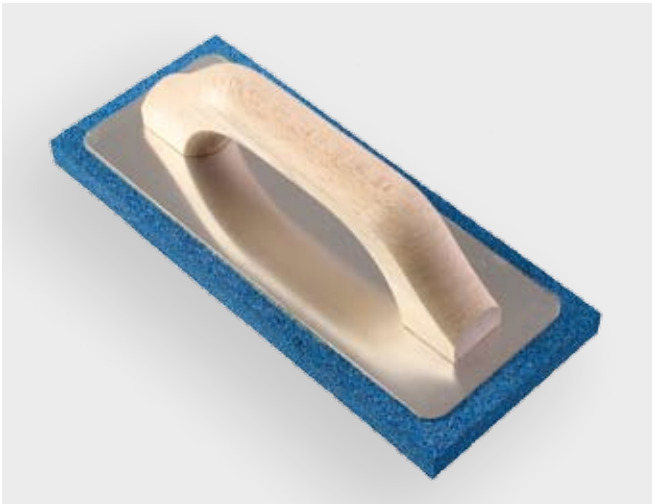
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Tools





Sponge trowel cm 24.5 x 10



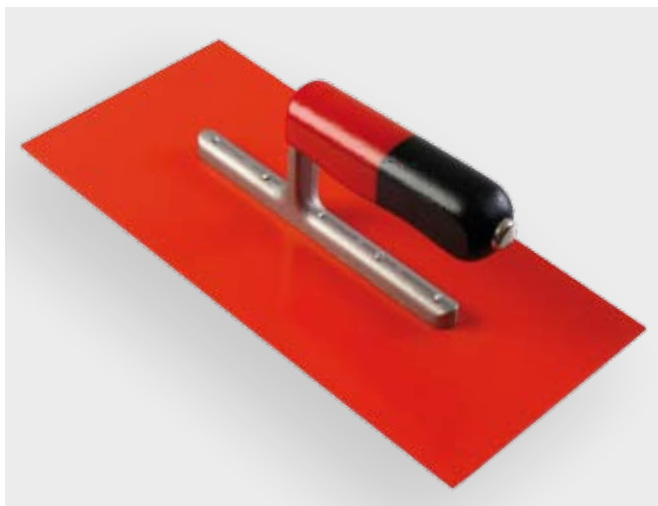
Sponge trowel cm 13.5 x 13.5



Stainless steel trowel cm 28 x 12



Stainless steel trowel cm 20 x 8



Plastic trowel cm 28 x 13



Stainless steel spatula cm 12



Stainless steel spatula cm 10



Stainless steel spatula cm 8



Stainless steel spatula cm 6



Stainless steel spatula cm 4

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