



# 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/m<sup>2</sup>- 24h,  
(ASTM-E96 Regulations),  
 $\mu=500$ , Sd=0.60m  
**siloxane type:** 220 g/m<sup>2</sup> - 24h  
(ASTM-E96 Regulations),  
 $\mu= 80$ , Sd = 0.10 m
- it is stable in time

- it has excellent surface adherence (> 10 kgf/cm<sup>2</sup>)
- 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 ± 0.2 Kg/l
- pH:  
**standard type:** 7.5 ± 0.2  
**siloxane type:** 8.2 ± 0.2

- viscosity:  
**standard type:** 18,500 ±500 mPas  
**siloxane type:** 18,000 ±500 mPas
- dry residue:  
**standard type:** 84 ± 2% by weight  
**siloxane type:** 80 ± 2% by weight
- resin dry residue out of total dry residue:  
**standard type:** 9.5 ± 0.2% by weight  
**siloxane type:** 9.7 ± 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/m<sup>2</sup> (3.6 lb/sq.yd)

**RIALTO CARSO “2”**: 3.3 kg/m<sup>2</sup> (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/m<sup>2</sup>. 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/cm<sup>2</sup>.

Water vapor permeability: 220 g/m<sup>2</sup> - 24 hours.

Average covering capacity: **CARSO 1 SILOSSANICO** =2 kg/m<sup>2</sup>, **CARSO 2 SILOSSANICO** =3.3 kg/m<sup>2</sup>

Price for material and application, excluding any scaffolds, € ..... per m<sup>2</sup>.

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

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