



LIME BASED FINISHES

decorative finishes based on seasoned slaked lime



LIME BASED FINISHES

An ecological choice

The rialto decorative finishes, based on seasoned slaked lime are fine products formulated according to traditional recipes using the best Italian raw materials.

Thanks to their essential and artisanal composition they can satisfy the demanding specifications of historical building restoration projects and the creative colors used in contemporary architecture as well as the growing sensitivity and interest in using sustainable materials.

rialto antiqua

rialto epoca ottocento

rialto epoca marmo

rialto epoca spatolato

rialto mediterraneo

rialto sinopia



THE NATURE OF THE PRODUCT

The base recipe

Magnesiatic seasoned slaked lime, fine marble grains of authentic white Carrara marble, colored earths and inorganic oxides, are the main ingredients of this category of products.

Precious contents

Since the time of the Roman Empire quarries in the Apuan Alps have contributed to the enrichment of architecture and decorations providing the white Carrara marble, a “shining stone”¹ that is unique the world over. The peculiarity of this metamorphic rock is to reflect light in a characteristic way emphasizing color tones, lights and shades.

1: translation of the original name from the ancient Greek definition “mármaron”.



THE GREEN SPIRIT

The CO₂

The seasoned slaked lime (grassello di calce) represents a third of the ingredients of the decorative finish. Today this lime is obtained in a furnace following traditional procedures.

Once the product is applied, due the chemical composition of this air-hardening lime, it begins to reabsorb a good portion of the CO₂ emitted during the production process, this is the so called carbonatation phase. This re-absorption process transforms the calcium hydroxide (lime) into calcium carbonate (stone).

Amongst the most popular binders in building construction, analyzing this delicate balance of CO₂ emissions and re-absorption, we can say that the traditional seasoned slaked lime (grassello di calce) holds a special record: 60-62% of the CO₂ total emission is re-absorbed drastically reducing the permanent CO₂ footprint. Hydrated dolomitic lime and calcic air-hardening lime perform around 53-56% while hydraulic lime performs at 26% and the other types of cement do not exceed 1%. Choosing a seasoned slaked lime based finish for your project is an excellent sustainable and ecological choice.

Water vapor permeability

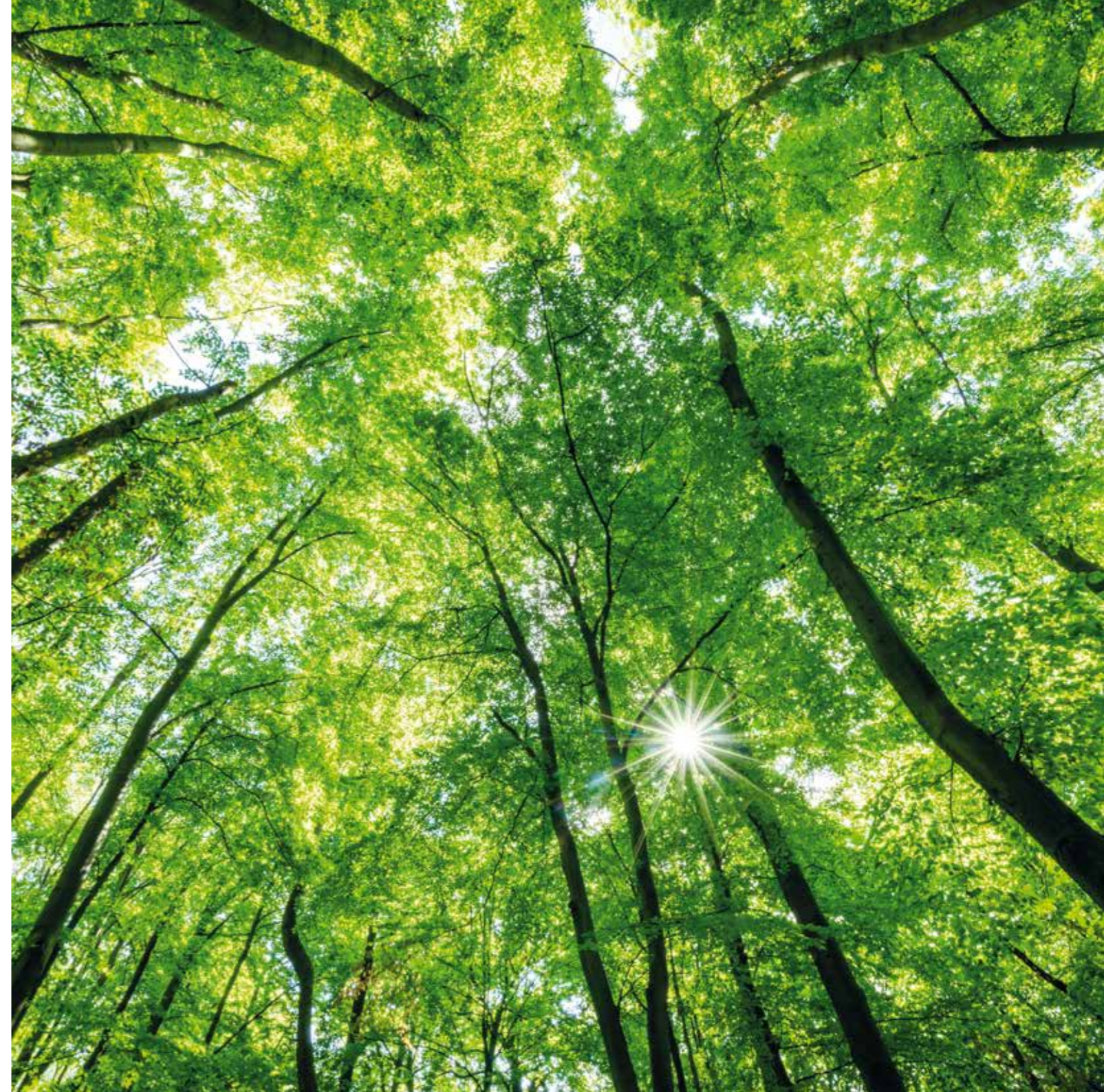
Unlike acrylic based coatings, lime base coatings, because of their nature, do not film creating a physical barrier to water vapor transmission. On the contrary, lime based coatings promote air and water vapor exchange throughout the walls.

Dry walls contribute to a healthy and comfortable domestic environment.

Biocides

The high pH (12,5/13,5) of a lime coating is itself a basic environment with natural antiseptic properties. It contributes to purifying the living spaces and improving their livability.

rialto lime based finishes simply do not contain added biocides.



PRODUCTS

rialto decorative finishes are based on seasoned slaked lime, they are available in various types and styles. A wide range of different formulations, developed to obtain the best possible result are available. This allows you to choose the right product for your specific project.

[rialto antiqua](#)

Elegant decorative plaster with a versatile structure, easy to use, it offers multiple creative possibilities. High workability and quick application, available in two types, **rialto antiqua 1** (fine aggregates for a traditional lime plaster look) and **rialto antiqua 2** (Coarser for a rustic look).

[rialto epoca ottocento](#)

A return to the roots of paint. It's a time-tested lime paint that achieves depth of color like none of today's paint can. The cloudy appearance of the water-colors doesn't encapsulate the surface, but rather leaves the wall breathing in a living and transparent coloring process.

[rialto epoca marmo](#)

An ideal colored plaster to reproduce the look of marble and stone surfaces. Smooth and solid with a vintage look also suitable to recreate a contemporary concrete look.

Six different options are available, polished plasters, paints and venetian plasters, each with its distinctive character. You can choose between six options to find the perfect solution to make the best choice for your project, your ideas of colors, beauty and harmony.

[rialto epoca spatolato](#)

The authentic lime based Venetian plaster. Its content of magnesiatic seasoned slaked lime, its tenacity and abrasion resistance also make it suitable for decoration of exterior surfaces.

[rialto mediterraneo](#)

Lime and stone, a deep and indissoluble relationship. A thick lime coating that applied with specific techniques and tools can replicate the texture and look of many famous decorative stones.

[rialto sinopia](#)

Walls that want to be touched. This is the peculiar characteristic of this decorative lime plaster for interiors. The beauty of the natural lime colors combined to an exclusive tactile sensation.



PRODUCTS

rialto antiqua

rialto antiqua 1 represents the most traditional concept of a fine decorative colored plaster. Its content of magnesiatic seasoned slaked lime is the reason of its extraordinary and versatile workability. Elegant timeless walls rich of light and shadow can be easily reproduced. Its traditional application is finished off with a sponge trowel, the “frattazzato” effect, a smooth and simple method that preserves the intrinsic properties of its components: a high water vapour permeability, the abrasion resistance, an antistatic behaviour of the treated walls and its natural biocide properties. To obtain very smooth surfaces walls can be steel troweled, the “lamato” effect. By pressing and polishing the plasters, the colors come to life showing off the colors tones: a characteristic that makes it suitable both for a classic style and a refined contemporary architecture. **rialto antiqua** is also available in the version **rialto antiqua 2**. It contains a small presence of black carbonates to create a finely rustic and colored look.



rialto antiqua 1 color **P1015**
from the color fan deck **rialto “collezione italia”**



rialto antiqua 1 lamato effect, color **008 archimede**
from the color chart **rialto “cento colori”**



rialto antiqua 1 frattazzato effect, color **008 archimede**
from the color chart **rialto “cento colori”**



rialto antiqua 2 frattazzato effect, color **008 archimede**
from the color chart **rialto “cento colori”**



rialto antiqua 1

color 017 iride
from the color chart rialto "cento colori"



rialto antiqua 1

color 013 asia

from the color chart rialto "cento colori"

PRODUCTS

rialto epoca ottocento

rialto epoca ottocento is a lime based paint with warm pastel colors. A milestone of the rialto product range: a return to the roots of paint. Its traditional application method, criss-crossing the strokes with the classic wide and flat brush, gives to walls a natural cloudy appearance. It is not an artificial veiled effect but a living color that gives lightness and harmony to the design of the building.

Thanks to its high water vapour permeability, typical of an authentic lime based paint, it's the ideal solution when humidity is present in the walls because it favours the natural evaporation process.

Wherever is requested a natural finish as in a restoration of an historical building where compatibility with old substrates is essential, or in a brand-new project requiring environmentally friendly products, **rialto epoca ottocento** can maximize results bringing a natural colored touch to the walls.



rialto epoca ottocento color **022 callisto**
from the color chart rialto "cento colori"

rialto epoca ottocento

color **030 demetra**
from the color chart rialto "cento colori"



rialto epoca ottocento

color 074 sibilla
from the color chart rialto "cento colori"

PRODUCTS

rialto epoca marmo

This fine colored plaster, rich of fine white Carrara marbles of the best quality, replicates the true look of solid marmorino surfaces with vivid colors and exclusive textures. The presence of this precious mineral, widely used since the time of Romans, it's the secret of his particular look. In fact, marble crystals, because of their specific shape reflect lights in a peculiar way different from quartzes, granites and carbonates, creating unique color variations. Mottling can vary depending on application method and polishing. **rialto epoca marmo** can be matt or shiny, smooth or textured, or with an elegant vintage appearance. This lime plaster has been developed to create with an easy and quick application technique that refined look of precious aged walls, the pleasantness of a warm and healthy familiar environment. Thanks to its classic composition based on seasoned slaked lime and different kind of fine marbles, color tones and textures of **rialto epoca marmo** matches perfectly with other constructions materials such as stone, wood and metal.



rialto epoca marmo color **024 clio** dalla cartella
from the color chart **rialto "cento colori"**

rialto epoca marmo

colore **061 patrasso**

from the color chart **rialto "cento colori"**



rialto epoca marmo

color 018 iris

from the color chart rialto "cento colori"

PRODUCTS

rialto epoca spatolato

rialto epoca spatolato is a fine decorative stucco that represents excellence amongst the venetian plaster products. The presence of magnesium in the seasoned slaked lime contained in this plaster confers to the final product an excellent structure and workability.

The naturalness and fineness of its inerts result in smooth and resistant plastered surfaces, also for exterior use: a possibility reserved only to a top quality venetian plaster. In spite of its smooth and fine appearance, or even shining if wisely polished, **rialto epoca spatolato** maintains high values of water vapour permeability. This common characteristic to all **rialto** lime based finishes, promoting the evaporation of the humidity from the walls, minimizes the risk of blistering, delamination and mould formation, improving the liveability of the building. **rialto epoca spatolato** can be applied on its own to realize the classic spatolato effect in the traditional lime colors or over **rialto antiqua 1** with a fresco technique, a fine stucco coat steel troweled over the lime plaster not completely dried, this procedure will enhance the marble-like appearance of the coating. Ancient techniques back to life and combined to modern textures and color combinations.



color **venezia**
from the color chart **rialto epoca spatolato**

rialto epoca spatolato

color **051 amaltea**
from the color chart rialto "cento colori"



rialto epoca spatolato

color venezia

from the color chart rialto epoca spatolato



rialto epoca spatolato

color 076 giacinto

from the color chart rialto "cento colori"

PRODUCTS

rialto mediterraneo

rialto mediterraneo is a lime based plaster formulated to obtain a thick coat easy to work with. It is an ideal solution to obtain a stone effect that highlights the veins and texture of natural stones. Applied with the correct technique it can reproduce in a realistic way the decorative stones of the Italian historical architectural tradition as roman travertine's, limestone's from Trani and Lecce, Ardesia from Liguria and many others. The warm lime colors and the texture created by the tool over **rialto mediterraneo** perfectly pair with the siloxane veiled effect given by **rialto velasil**. The siloxane tintable sealer penetrates the textured coating of rialto mediterraneo and leave pigments in its depth. This color treatment exalts the design and style of the stone texture creating unique walls, they recall the instinctive contact with Mother Nature. We introduce some examples extracted from the catalogue of **rialto mediterraneo**, a comprehensive guide to replicate the most representative decorative natural stones of the Italian peninsula.



rialto mediterraneo
QUARRY SPLIT FACE PINK LESSINIA STONE effect
from the catalogue **rialto "mediterraneo"**

rialto mediterraneo

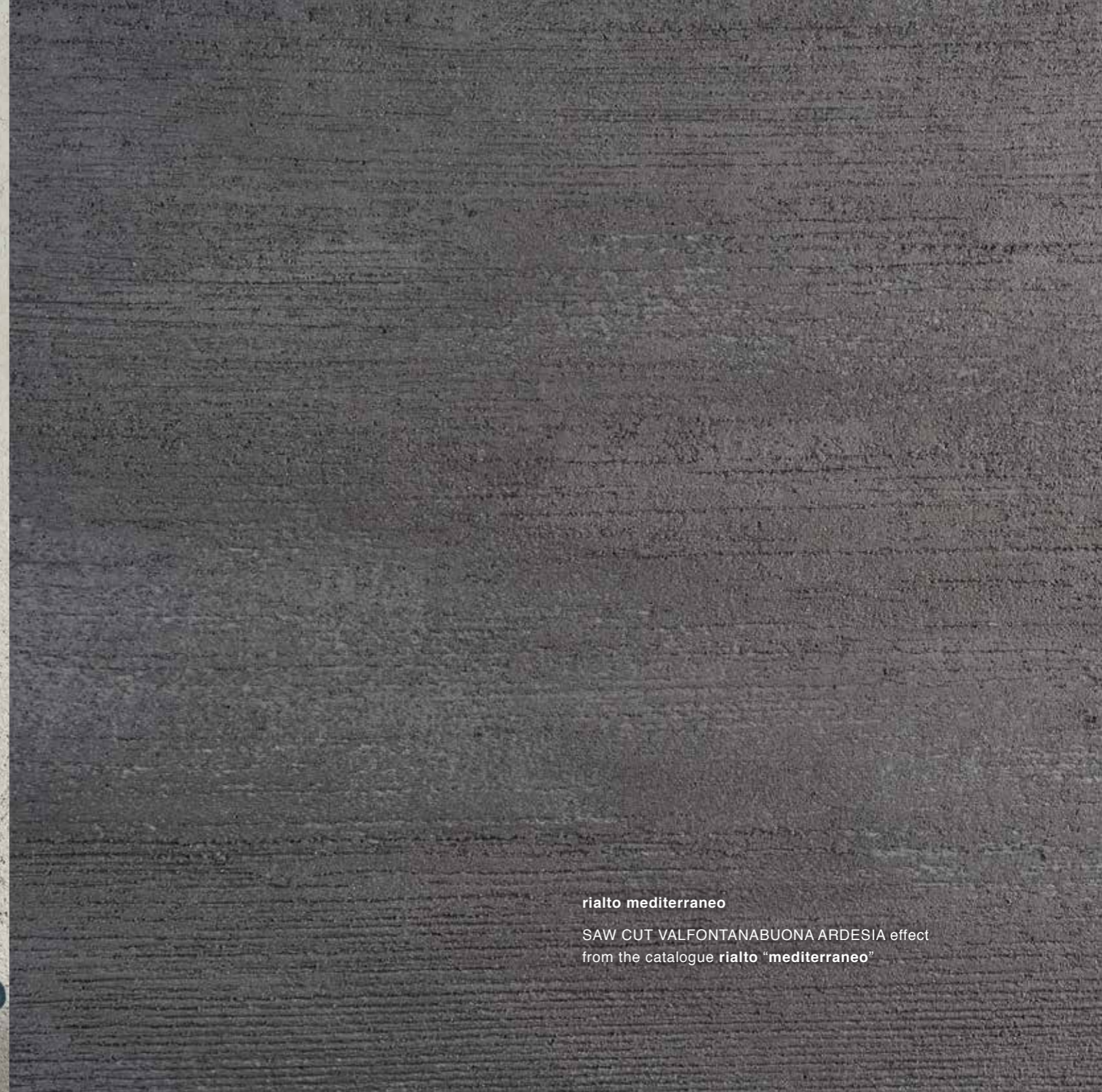
ITACA effect

from the catalogue **rialto "mediterraneo"**



rialto mediterraneo

LECCESE WHITE LIMESTONE effect
from the catalogue rialto "mediterraneo"



rialto mediterraneo

SAW CUT VALFONTANABUONA ARDESIA effect
from the catalogue rialto "mediterraneo"



rialto mediterraneo

TRANI NAVONA TRAVERTINE effect
from the catalogue rialto "mediterraneo"

PRODUCTS

rialto sinopia

rialto sinopia is a fine decorative plaster for interiors based on seasoned slaked lime. It creates smooth surfaces that want to be touched and admired in a multisensory experience. The origin is its name comes from a variety of red ochre from Sinop, one of the Turkey's most important towns and Black Sea ports. Sinop was declared a Roman colony by Julius Caesar in 457 BC (its Latin name was "Colonia Julia Felix Sinope"). It soon became very prosperous, thanks to the trading of red ochre and other products yielded by the fertile Turkish inland. The word sinopite (which is translated literally as "red earth") is sometimes used improperly to identify earth and different colors. In the past sinopite was used to produce the preliminary drawing prepared for frescos and murals. *Sinopite* was often used by artists during initial stage of their work, and was therefore of the utmost importance. Recently studies in sinopites have reassessed the enormous cultural value of these drawings. **rialto sinopia** is formulated and produced according to traditional recipes of seasoned slaked lime plasters. Its application confers a chromatic variety, softness and range of color reflections to walls



rialto sinopia color **P2125**
from the color fan deck **rialto "collezione italia"**

rialto sinopia

color **089 orione**
from the color chart rialto "cento colori"



rialto sinopia
color P2125
from the color fan deck rialto "collezione italia"

COLOR RANGE



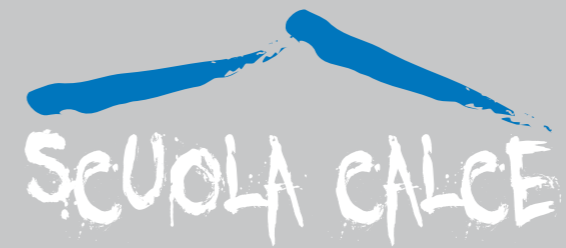
Inspired by the historical archives of the **Harpo rialto** color lab, and supported by the experience of our colorists, different color tools have been created to provide a solution to every need: the fan deck “**spatula stuccos**” dedicated to marmorino and Venetian plasters, the famous “**collezione italia**” fan deck, and the new color chart “**cento colori**”, a selection of the most appreciated 100 premium colors for lime based products and exterior finishes.

CUSTOMER CARE AND TRAINING COURSES

Harpo's customer service gives technical support on the use of rialto seasoned slaked lime products. Specific courses for professional contractors are available through the rialto “**Scuola calce**” international training program. This program has the goal of sharing knowledge and revitalizing the interest in this Italian tradition.

The **rialto division** of **Harpo spa** can provide the necessary technical assistance at any stage of the work, in order to help our customers achieve the best work.

For any kind of information
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 Scuola Calce

Note: the decorative solutions illustrated in this catalogue are to be used as a reference guide and to inspire new decorative effects. The final effect is given by the personal style and interpretation of the contractor. Colors may vary due to variations of basecoats, surface textures weather and method of application. The nature and workability of lime based coatings allows contractor to customize textures and colors of every single project.

Care has been taken to ensure that the colors in this catalogue represent the true color of the product. However, this printed catalogue only approximates the color of real finishes. Printed colors may change over time due to exposure of light, paper aging, pigment fading and handling.

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