



# LIME

world of colors



## LIME WORLD OF COLORS

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The lime used in the production of all our decorative finishes is obtained by kiln-firing selected river pebbles made up of calcium and magnesium carbonates. The cooking of the stones is very gradual, taking about 7 days at an average temperature of 900°C (1650°F) in a traditional kiln using natural sawdust and wood chips as fuel.

What we obtain is a caustic substance, unstable, highly hygroscopic, called Calcium Oxide (and Magnesium Oxide), and also known as quick lime.

Quick lime is now ready for the slaking with water, when it reacts strongly with water in an exothermic reaction.

This hydration process, changing the state of the lime, produces a hot milky slurry called Calcium hydroxide better known as slaked lime or lime milk.

It is left to rest in pits where the seasoning begins.

It takes a minimum of 3 months for the lime used in the preparation of the mortars or a minimum of 24 months for that used as binder for finishing coatings, such as **rialto antiqua** and the various EPOCA products.

During the seasoning two different and complementary reactions take place. The hydration process is chemical. Also, a physical change is occurring in the structure and shape of the lime. Both are extremely important to obtain a high-performing plaster product.

The presence of Magnesium gives the final formulation better workability and durability.

In order to obtain a high quality finished product, it is essential to start with high quality raw materials and use them wisely in balanced recipes developed and optimized to give performance and the glorious look of lime.



## rialto antiqua 1

### frattazzato, the classic

**rialto antiqua 1** is the most classic lime plaster product. When applied "frattazzato" (floated), it recreates in its simplicity the classic smooth color variations of the timeless lime plasters. With its fine marble aggregate, **rialto antiqua 1** frattazzato has the soft appearance of suede.

- Easy and fast to replicate, the use of a sponge float can help to hide small defects and imperfections left in the application of the first coat.



## rialto antiqua 1

### lamato, classic with class

**rialto antiqua 1** if steel troweled smooth produces consistent and very smooth surfaces. Color tones intensify pointing out the natural texture of the plaster with its glorious lights and shadows

- Mist the surface before polishing, it helps the trowel to float, makes the surface smoother and colors more intense.



## rialto epoca ottocento

### paint evolved

**rialto epoca ottocento** is a time-tested lime paint that achieves depth of color like none of today's paints 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.

- The lime finish with easy application **rialto epoca ottocento** is a natural paint that is creamy and sticky in the bucket. Do not exceed the suggested dilution rate.



## rialto epoca marmo

### the look of stone with any color

**rialto epoca marmo** reproduces the look of marble and stone surfaces, with the effortless semi-gloss achieved by burnishing with a trowel. In **rialto epoca marmo**, the marble aggregate can be reconstituted on the wall both in interiors and exteriors following the customer's specification and the architectural style.

- A final polishing done a day after the application of the last coat emphasizes the solid marble look of the wall; mist the surface before polishing.



### rialto epoca spatolato

#### the authentic Venetian stucco

Its traditional formulation makes it suitable for exterior applications and fine interiors. The look ages in time like a good red wine improves its flavors and bouquet with age. It matches perfectly both a renaissance style and contemporary architecture.

- If applied in exteriors use a siloxane priming coat to improve the water repellancy of the system.



### rialto epoca spatolato

over

#### rialto antiqua 1

#### the essence of colors in the Italian stuccos

The decorative Venetian stucco without compromise. A timeless design, warm and wrapped with charm, formulated like it was in the ancient times.

- The natural behavior of a thin lime plaster makes it look dry after few hours but for a correct adhesion it needs a whole day between coats. Apply always very thin coats with intervals of 24 hours.



## rialto sinopia

### when color is multi-sensorial

When our five senses are stimulated simultaneously, our sensations are amplified. The final perception is complex and captivating. **rialto sinopia** is a fine interior lime plaster with a velvet, suede-like effect, producing delicate color tones that want to be touched, stimulating our curiosity toward the spaces around us.

→ During application and drying avoid thermal shocks and the use of air-conditioning, heaters or ventilators.



## LIME BASED FINISHING COATINGS

		covering capacity	packaging
<b>rialto antiqua 1</b>	fine decorative mineral plaster for interiors and exteriors	1,2 kg/m <sup>2</sup> 1 coat 1,7 kg/m <sup>2</sup> 2 coats	25 kg
<b>rialto antiqua 2</b>	coarse decorative mineral plaster for interiors and exteriors	2 kg/m <sup>2</sup> 1 coat	25 kg
<b>rialto epoca ottocento</b>	decorative mineral paint for interiors and exteriors	3-3,5 m <sup>2</sup> /lt 2 coats	15 lt
<b>rialto epoca spatolato</b>	glazed mineral stucco for interiors and exteriors	0,8-1,2 kg/m <sup>2</sup> 3 coats	10 kg
<b>rialto epoca marmo</b>	very fine decorative mineral plaster for interiors and exteriors	1,5 kg/m <sup>2</sup> 2 coats	10 kg
<b>rialto sinopia</b>	decorative mineral plaster for interiors	1,2 kg/m <sup>2</sup> 2 coats	25 kg
<b>rialto fix 210</b>	clear sealer that confers to <b>rialto sinopia</b> water repellency and a suede-like effect	100 m <sup>2</sup> /lt	0,5 lt

The natural lime-based finishes are available in a wide range of colors.  
Consult **COLLEZIONE ITALIA** and **SPATULA STUCCOS** fan decks for colors.



#### LIME BASED MORTARS

In restoration, an excellent final and durable result can be obtained only if an adequate preparation of the basecoat has been done, here below we list the main important complementary products for a lime based system

<b>rialto cocchiopesto cc</b>	finely dried and mixed brick powder
<b>rialto malta fine fm</b>	ready mixed wet fine mortar made of grassello di calce and sands
<b>rialto malta grezza gm</b>	ready mixed wet coarse mortar made of grassello di calce and sands

#### LEVELING BASECOATS

<b>rialto wallcem bianco</b>	white leveling rendering for interiors and exteriors
<b>rialto wallcem grigio</b>	grey leveling rendering for interiors and exteriors

#### PRIMING BASECOATS

<b>rialto durasil</b>	permanent consolidating and water vapor permeable priming coat for interiors and exteriors
<b>rialto fondo di aderenza 1</b>	all-round fine mineral adhesion primer based on silicates for interiors and exteriors
<b>rialto fondo di aderenza 2</b>	all-round coarse mineral adhesion primer based on silicates for interiors and exteriors
<b>rialto isocal</b>	antieflorescence siloxane primer for interiors and exteriors
<b>rialto primer</b>	penetrating and fixing colorless priming coat for interiors and exteriors
<b>rialto finish</b>	high performance acrylic quartz paint used as adhesion promoter

#### TINTABLE TRANSLUCENT SILOXANE SEALER

<b>rialto velasil</b>	smooth translucent watercolor effect with high water-vapor permeability
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## WHY USE RIALTO LIME BASED FINISHES?

The product range of rialto natural lime-based finishes includes many different coatings.

The opportunities vary from paints to polished plasters, Venetian stuccos, and Marmorino plasters.

This brochure will provide the necessary information to choose the most appropriate lime finish in accordance with the style and architecture of the building and with the taste of the specifier. Our focus is on aesthetics; for more detailed technical information about specifications and color range please see the relevant technical data sheet, color chart, and fan deck.

Choosing a lime finish means not only choosing a color, but also a specific effect, texture, and application method that can embellish the design of the structure, a choice that will endure.

For further information about the production process of the Grassello di Calce, the natural binder used in all rialto lime based finishes, please see the booklet LIME A PROCESS AT THE SPEED OF LIFE

The same information are also available at [www.rialto-colors.com](http://www.rialto-colors.com).



## COLOUR RANGE

A wide range of colours is available in the “**SPATULA STUCCOS**” and the “**COLLEZIONE ITALIA**” fan decks. A special selection of shades is offered in the colour chart “**I COLORI**” dedicated to seasoned slaked lime finishes.

All **rialto** seasoned slaked lime products are tintable with rialto inorganic coloring pastes.



## CUSTOMER CARE AND COURSES

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 results. **Harpo**'s customer service gives technical support on the use of rialto seasoned slake lime products. Specific courses for professional contractors are available through the “**rialto scuola calce**” international training program.

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Scuola Calce

Note: every effort has been ensured that the information on this leaflet is accurate. However, **Harpo rialto** is unable to guarantee results as it has no control over the conditions under which its products are applied.





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