



GRAPHENSTONE

The Earth Collection

**Siena**

**Lime interior paint limewash effect**

Technical Data Sheet

Mineral paint especially ideal for creating a limewash effect on interior surfaces. Intended for high decoration that seeks the timeless beauty of lime effects, slightly marking the waters and chiaroscuros with a natural matte finish, easy to apply. Thanks to its formula, the product absorbs CO<sub>2</sub> and has an excellent breathability that prevents condensation. With Graphenstone Technology for greater resistance and durability.



S-P-01050 EPD  
environdec.com

### Características

Artisanal lime base and Graphenstone technology.  
Highly breathable.  
Natural matt finish with limewash effect.  
Absorbs CO<sub>2</sub> (4.9 kg/15 l).  
Good covering power.  
16 colours The Earth Collection.  
Environmental Product Declaration.  
Cradle to Cradle Certified™ GOLD.

### Technical properties

<b>Specific weight</b>	1.50 ± 0.05 g/cm <sup>3</sup>
<b>pH</b>	13 ± 1
<b>Viscosity</b>	[80-120] U.K.
<b>% solids</b>	60 ± 5 %
<b>Washability (UNE-EN ISO 11998)</b>	Class 1
<b>Water vapour permeability</b>	Class 1: S <sub>D</sub> < 0.14 m
<b>Fire classification</b>	A1
<b>Composition</b>	Aerated lime
<b>Appearance</b>	Dense liquid
<b>VOCs content</b>	< 2 g/l

### Pack size

1 l, 4 l, y 15 l.



### Pigmentation

16 colours: The Colours of The Earth.

- Siena 1 l: 1 liquid toner of 50 ml
- Siena 4 l: 1 liquid toner of 250 ml
- Siena 15 l: 4 liquid toners of 250 ml

Pigment toners are sold separately.

### Yield/Coverage

5-6 m<sup>2</sup>/l (2 coats).

Depends on the type and state of the substrate, tools and application. The exact consumption should be determined by sampling on site.

### Storage

Store in original container. Keep tightly sealed in cool, dry place. Do not store in extremes of temperature, avoid direct exposure to sunlight and protect from frost. Unopened, storage stability is 24 months from date of manufacture. Product may thicken without losing its efficacy. Shake well before use.

### Substrate preparation

Plaster, drywall, filler, rendering, old paints, prefabricated boards and unplasticised wallpaper, brick or perlite.

The substrate must be dry, firm, well adhered, even and free of any impurities that could hinder the perfect bonding of the product.



Any organic growth and/or other impurities should be removed by thorough cleaning using specific products for this purpose.

- Old glossy or satin paints and putties: clean the surface and sand softly.
- Absorbent substrates (e.g. concrete block or brick): apply *AmbientPrimer*. Very absorbent substrates (clay, adobe or rammed earth): apply *Minerseal*. If the substrate is wood, metal (without corrosion or oxidation) or non-porous: apply *Four2Four*.
- If the substrate presents any complications, check the Graphenstone Application Manual or contact our Technical Department.

### Product preparation

Shake and dilute with 0-5% water for limewash application. For patina or glaze effect dilute with 50% water.

Ensure good mixing. Avoid excessive shaking to minimise bubble occlusion.

For pigmentation, add the liquid toner to the dilution of the product. Add some of the water to the pigment containers to make sure no pigment remains in the containers.

### Application method

#### LIMEWASH APPLICATION



Apply 2 coats with a brush, mitten, glove or sponge with soft and rounded gestures or multi-directional patterns according to the desired effect, so that the paint load is not evenly

distributed in order to the natural effect of the lime is enhanced and the water effect and shadows are accentuated.

#### BRICK WHITEWASH PATINA



Mist with water if the brick surface is too dry. Apply 1 coat. Allow paint to almost dry for 30-60 minutes (the drying time will vary depending on temperature and relative humidity) and begin to wash-off the surface until obtaining the desired effect with a slightly wet sponge or other tool. Touch up as needed.

As it is a lime-based paint it is very important to respect the drying time between coats to realise optimal paint coverage.

### Drying

At 25 °C (77 °F) and 60% relative humidity: 2-4 hours between coats and 24-hour drying time per coat.

Total curing occurs after 30 days, presenting good hardness and resistance. It is advisable not to clean and/or scrub during this period.

### Ambient conditions

The working temperature (ambient and substrate) must be between +5 °C and +40 °C (41 °F and 104 °F). Do not apply under direct sunlight or on surfaces heated by the sun.

### Tools

- Limewash application: Mitt, glove, sponge or masonry brush.

- Brick whitewash patina: Roller, brush, masonry brush or airless



Clean up tools after use with warm water.

### Notes

Mineral substrates must be at least 28 days old.

The surfaces to be painted must be resistant to high alkalinity.

Do not apply to surfaces in permanent contact with water.

In damp rooms it is recommended to protect with *Hydroxeal* or *Beewax* to minimize the absorption of water and impurities.

Parts that are not going to be treated should be protected (glassware or carpentry).

Should there be any strict aesthetic requirements, it is recommended to carry out preliminary tests.

Do not mix with other brands to maintain product efficacy.

### Complementary products

It is recommended to use the Graphenstone® product range for complementary actions according to the application, repair and/or finish required. Please refer to the corresponding Technical Data Sheets.

### Usage warnings

None, particularly in situations where normal product application is expected and by people without any specific medical conditions. Alkaline product, protect skin and eyes especially. Do not inhale the product. Keep out of reach of children.

### Waste management

According to local legal regulations. The containers are made of polypropylene. Please contribute to the protection of the environment, do not throw waste down the drain and use the nearest recycling point.

### Sustainability gesture

Minimise product waste by carefully estimating the amount you will need. Store any unused product for future use according to the "Storage" guidelines.

### Safety information

For information regarding safety, physical, ecological and toxicological details please see the latest version of the product's Material Safety Data Sheet.

### Technical support

For further information, please contact your local distributor or manufacturer:

[technicalsupport@graphenstone.com](mailto:technicalsupport@graphenstone.com)

*The information provided is given in good faith, based on IEdISA's current knowledge and experience of the product, when correctly stored, handled and applied, in normal situations and according to IEdISA's recommendations. The Technical Data Sheet serves for information and advice, but is not legally binding. In particular, it does not exempt the user from test and check the suitability of the product for the desired application and purpose. IEdISA reserves the right to make modifications that improve the product or its application. This edition invalidates previous editions.*

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