



# GRAPHENSTONE

PURIFYING PAINTS

## The Earth Collection

### Siena

Lime interior paint limewash effect

#### TECHNICAL DATA SHEET

Siena is a 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 CO2 and has an excellent breathability that prevents condensation. With Graphenstone Technology for greater resistance and durability.



#### FEATURES

- Artisanal lime base and Graphenstone technology.
- Highly breathable.
- Natural matt finish with limewash effect.
- Absorbs CO2
- Good covering power.
- Available in The Colours of the Earth
- Suitable for interiors
- Trace VOC emissions <0.1% (BCF VOC Globe scheme)
- EUROFINS Indoor Air Comfort
- Environmental Product Declaration
- Cradle to Cradle Certified™ GOLD

#### TECHNICAL PROPERTIES

Specific weight	1.50 ± 0.05 g/cm <sup>3</sup>
pH	13 ± 0.5
Viscosity	[80-120] U.K.
Solid content	60 ± 5%
Washability (UNE-EN ISO 11998)	Class 1
Water vapour permeability	sd < 0.02 m
Composition	Aerated lime
Appearance	Dense liquid
VOC Content   Emissions	< 1 g/l   Class A+

#### PACK SIZE

Pack size	1 l	4 l	12 l	15 l
Base	0,94 l	3,75 l	11,25 l	Pigmented in the factory
Pigment	60 ml	250 ml	750 ml	

#### PIGMENTATION

The Colours of the Earth.

- Siena 1 l: Liquid pigment of 60 ml
- Siena 4 l: Liquid pigment of 250 ml
- Siena 12 l: Liquid pigment of 750 ml

Pigments are sold separately.



#### YIELD/COVERAGE

5-6 m<sup>2</sup>/l | 200-250 Sq. Ft./gal (2 coats).

Depending on the condition 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 a cool and dry area with no direct exposure to sunlight. Protect from freezing. Protect from temperatures below 5°C (41°F) and above 35°C (95°F). Unopened, storage stability is 24 months from date of manufacture. Product may thicken without losing its efficacy. Shake well before use.

#### SUBSTRATE PREPARATION

New or previously painted plasterboard, drywall, plaster, prefabricated boards, brick or repaired substrates.

The substrate must be well adhered, free from impurities, clean, dry and dust free. Rake out any cracks and repair using the appropriate and compatible fillers.

Lightly sand down any shiny surfaces and prime where required.

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- On plasters (gypsum, perlite etc.), clean the surface and sand lightly if required.
- On plasterboard or surfaces repaired with fillers, spot prime and/or apply a mist coat of Naturcolor or BaseCoat beforehand.
- On absorbent substrates, apply 1 coat of Ambient Primer.
- On wood, metal or non-porous substrates apply Four2Four multi-surface primer.

If the substrate presents any complications, it may be necessary to conduct site trials onto surfaces to test and confirm suitability. 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.

Stir thoroughly before and during use. 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.

Take care not to apply the paints too thickly, which can affect curing times and can cause micro cracking.

**CURING**

Full opacity and coverage of the lime paints will be achieved after the first 3-4 days. You may initially think the paint seems a little patchy. Do not rush to apply extra coats; allow the paint to cure.

**DRYING**

At 25°C and 60% relative humidity (RH): 2-4 hours between coats and 24 hours for full drying. Please note, changes in temperature and RH will affect these times.

Please protect from rain, condensation and water for 4-5 days, to allow the paints to initially cure (including in kitchens/bathrooms/showers).

Full cure is achieved in around 30 days, after which the paints are durable to Class 1. Avoid rubbing or cleaning during this time.

**AMBIENT CONDITIONS**

The working temperature (ambient and substrate) must be between 7 °C and 35 °C (45 °F and 95 °F). Do not apply under direct sunlight or on surfaces heated by the sun. Avoid applying when the relative humidity is > 80%.

**TOOLS**

- Limewash application: Mitt, sponge or masonry brush.
- Brick whitewash patina: Roller, brush, masonry brush or airless

Clean tools after use with warm water.

**NOTES**

Mineral substrates must be at least 28 days old.

Do not apply to surfaces in permanent contact with water. In case of rain, let the surface dry completely before application.

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

Please protect areas not being painted eg: glass and timber. If using more than one pot of the same colour, or differing batches, please intermix before using to maintain an even and consistent colour.

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.

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**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**

Pots are made using 100% PCR recycled polypropylene and are 100% recyclable. Please consult your local authority for details on waste and recycling in your area. Help protect the environment; do not pour waste or excess paint down the drain.

Please help to minimise waste and respect the environmental impact of manufacture by correctly estimating the amount of product you will need.

**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.