

Siena

Version: Jan-18

PRODUCT DESCRIPTION

Siena is a natural paint with graphene technology for interiors with matte finish and water effect. Ideal to decorate interiors creating environments with harmony in your home, ensuring the breathability and healthiness of the building.

Features:

High covering power.	Tough and long-lasting. High adherence.
Absorbs CO ₂ (4.8 kg/15 l).	Excellent flexibility. Not cracking.
Natural matte finish with water effect.	Suitable for interior.
Contains high quality lime and graphene fibre.	Free of VOCs and formaldehyde emissions.
Breathable. Avoids condensation.	Cradle to Cradle Certified™ GOLD.
Good washability.	GreenRate Certified™ LEVEL A.

Colours:

Offered according to the letter *The Colours of the Earth*. Please note that due to the mineral nature of the product, the final colour tone may vary slightly.

Format:

Available in pots of 0.75 l, 4 l and 15 l. The pigmentation is supplied in a 50 ml and 250 ml pots.

TECHNICAL PROPERTIES

Specific weight	ISO 2811-1	1.5 ± 0.05 g/cm ³
pH	-	12.5
Viscosity	UNE 48076	[105-130] U.K.
Solid content	-	50 ± 5%
Wet scrub resistance	EN 13300	Class 1
Permeability to water vapour	EN 1062-1	Class 1: S _D < 0.14 m
Fire performance	EN 13501-1	A1
Nature	-	Aerial lime
Appearance	-	Dense liquid
VOC content	ISO 11890-2	<1 g/l
VOC emissions	ISO 16000-3/-6	Class A+
Yield*	-	6-9 m ² /l (2 coats)

* The exact consumption must be determined by the means of a sampling of the work.

APPLICATION INSTRUCTIONS

Application surfaces:

Plaster, gypsum, old paintings, prefabricated panels and unpainted wallpaper, brick, etc.

Conditions of the substrate:

The substrate must be dry, firm, well-adhered and free from any impurities.

Preparation of the substrate:

If the substrate presents algae, mould, fungi and / or other impurities, it is recommended to do a thorough cleaning, eliminating in its entirety and with specific products for this purpose.

On chipped and cracked areas, remove areas that do not adhere, cover holes and cracks with *Füllmasse Premium* and sand.

On absorbent surfaces; apply *AmbientPrimer L42 Premium* to optimize consumption. In areas prone to the growth of algae and microorganisms such as green areas, water drainages, unventilated and humid rooms, cellars, etc., apply *AmbientPrimer L44 Premium*.

Product preparation:

Stir and dilute with water to 10-15% of the product weight (150-200 ml of water per litre of product approx.), ensure a homogeneous mixture. Avoid excessive shaking to minimize bubble occlusion. For pigmentation, add the colour toner to the dilution of the product. It is advisable to use the water to be added to clean the pigment container and thus use the pigmentation in its totality

Application method:

Apply 2 or 3 coats evenly. Paint in sections starting with the borders. Without soaking the paint roller, pass the roller to spread out the paint correctly. Do not paint on areas that are drying, avoid overlapping. An excess of product by layers can generate micro-cracks.

Drying:

In conditions of 25 °C and 60% relative humidity: 2-4 hours between layers and 24 hours drying. The carbonation process mainly occurs during the first 30 days. Avoid cleaning and/or rubbing during that time.

Environmental conditions:

The work temperature (environment and substrate) must be between +5 °C and +40 °C. Do not apply in direct sunlight, nor on support heated by the sun.

Tools:

Roller, brush, airless or other type of projection.

Airless application: spray angle: 30° / spray distance: 50-60 cm / tip size: 0.027 in / minimum machine power: 1750 W / machine filter: 30-40 mesh.

Tool cleaning:

Clean tools after use with warm water.

Notes

The mineral substrate must be at least 28 days old. The substrates to be painted must be resistant to high alkalinity. Do not apply to surfaces in constant contact with water. The parts that are not going to be treated must be protected (glass, wood, etc.). Should there be strict aesthetic requirements, it is recommended to perform prior tests. Do not mix with other products or specific properties may change.

Complementary products:

It is recommended to use the *Graphenstone®* product for the preparation of the substrate. Please, refer to the relevant Technical Data Sheets.

ADDITIONAL INFORMATION

Declarations:

The manufacturer declares that the composition of the product, it does not contain hazardous substances and it is free of VOC emissions. For more information, please refer our website: <http://graphenstone.com/Graphenstone-Global-Certificados.html>

Storage:

Keep in original pack, closed and in a cool and dry place. Keep from freezing and avoid direct sun exposure. Unopened, it may be conserved for at least 12 months from manufacturing date. The product may thicken without losing its properties.

Usage warnings:

None in particular for normal use and people who do not have special pathologies. Alkaline product, protect skin and eyes especially. Apply with good ventilation, do not inhale product. Keep out of reach of children.

Waste management:

According to local legal provisions. The pots are made of polypropylene. Help protect the environment, do not throw waste through the drain and use the nearest recycling centre.

Responsible gesture:

Minimize the product waste by estimating the amount you will need. Recover the unused product to give it a new use, keep it under the Storage section. Reuse can effectively minimize environmental effects on the life cycle of products.

Safety information:

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

Technical substrate:

For further information, please contact your local distributor or manufacture: technicalsupport@graphenstone.com.

The information provided is given in good faith, based on current knowledge and IEdiSA's experience with the products when they are properly stored, handled and applied in normal situations and in accordance with the recommendations of IEdiSA. The Technical Specifications sheet is useful for information and consulting but is not legally binding. In particular, it does not exempt the user from testing and verifying the suitability of the product for the desired application and purpose. IEdiSA reserves the right to modifications that improve the product or its application. This version invalidates previous one.