



GRAPHENSTONE

GCS Exterior

Silicate exterior paint

Technical Data Sheet

Mineral silicate based paint with matt finish available in a wide range of colours, suitable for exterior surfaces and facades. This product is highly breathable. Made with Graphenstone Technology for greater resistance and durability. Specially indicated for application in construction, restoration and repainting.



Features

- Natural matte finish.
- Good covering power.
- Tough and long-lasting.
- Highly breathable. Prevents condensation.
- Graphenstone technology.
- High adhesion, strength and durability.
- Excellent flexibility. No cracking.
- High adherence.
- A2 Fire Classification
- Environmental Product Declaration.
- Global GreenTag LEVEL B.
- Global GreenTag Health Rate PLATINUM
- Cradle to Cradle Certified™ SILVER

Finish

Offered in colour according to NCS 322. Please note that due to the mineral nature of the product, the final colour tone may vary slightly. A colour exactly matching that chosen is not always obtained.

Yield/Coverage

5-7 m²/l | 200-285 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) for extended periods of time. Unopened, storage stability is 24 months from date of manufacture. Product may thicken without losing its efficacy. Shake well before use.

Pack size

1 l, 1 Gal, 4 l, 15 l and 5 Gal.

Technical properties	White	Pastel Base (PS)	Medium Base (MD)	Transparent (TR)
Specific weight	1.50 ± 0.05 g/cm ³	1.43 ± 0.05 g/cm ³	1.40 ± 0.05 g/cm ³	1.37 ± 0.05 g/cm ³
pH	11 ± 1			
Viscosity	[80 - 120] K.U.			
Solid content	52 ± 5 %	52 ± 5 %	52 ± 5 %	52 ± 5 %
Water vapour permeability	V ≥ 350 g/(m ² · d) sd ≤ 0,06 m			
Nature	Silicate			
Appearance	Dense liquid			
VOC s Content	< 1 g/l			



Substrate preparation

New or previously painted render, plaster, brick or concrete.

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.
- On absorbent substrates, seal with *AmbientPrimer*.
- On very absorbent (clay, adobe or rammed earth) or deconsolidated substrates, apply *Minerseal*/consolidating treatment.
- On wood, metal or non-porous substrates apply *Four2Four* multi-surface primer.
- If the substrate presents any complications, check the Graphenstone Application Manual or contact our Technical Department.

Product preparation

Shake and dilute with 10-15% water.

Stir thoroughly before and during use. Avoid excessive shaking to minimise bubble occlusion.

On transparent base, intense colours, dilute with 5-10% water.

Application method

Apply 2 or 3 coats evenly. Paint in sections, starting with borders. Without overloading the roller, dip it lightly into the paint to spread evenly. Do not paint over areas that are drying and avoid splices. Please note that an excess of product per coat can generate microfissures.

Drying

At 25 °C (77 °F) and 60% relative humidity: 2-4 hours to recoat and 24 hours total drying time.

Total curing occurs after 30 days, presenting good hardness and resistance. It is advisable not to scrub the painted surface 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

Roller, brush or airless*.

(*) *recommended nozzle 0.015" – 0.019"*
maximum nozzle: 0.027"

Clean 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 case of rain, let the surface dry completely before application.

It is recommended to protect the treated surface from the rain for 4 days.

In tropical or highly polluted areas, it is recommended to protect with *Hydroxeal* 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.



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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

According to local legal regulations. The containers are made from 100% PCR (post-consumer recycled) polypropylene and are also 100% recyclable. 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

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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