



Stuki Premium

Version: feb-17

Stuki Premium is a coating, containing graphene, for creating stuccos. It is very versatile enabling high quality results, for both interior and exterior walls.

PRODUCT DESCRIPTION

Where to apply:

It is ideal for a high-quality finish for both interiors and exteriors to achieve bio habitability and environmental sustainability criteria. Particularly suitable for the restoration of Listed Properties, contemporary and new build.

Recommended for homes, hotels, offices, museums, restaurants, shops, etc.

Features:

Stuccos. Marble finish.
Easy to apply.
Great frontal and lateral brightness.
Good workability.
Absorbs CO₂.
Contains high quality lime and graphene.
Antibacterial/anti-mould effect.
Insect repellent.
Breathable. Avoids condensation.
Washable.
High resistance and durability.
Excellent flexibility. Not cracking.
Free of VOCs and formaldehyde emissions.

Yield:

Coverage depends on the type, texture and absorption of the substrate. As an estimate, we consider 4-5 m²/l (2 coats). The exact consumption must be determined by means of a sample of the job.

Components:

Rich aerated lime*, water, selected aggregates, graphene fibre, thickeners, stabilisers and specific dispersants. Complies with the requirements of the standard DIN 18363 (≤ 5% of organic content).

**Derived from CL90-quality limestone and artisanal production recognised by UNESCO as Intangible Cultural Heritage of Humanity.*

Technical properties:

Specific weight	ISO 2811-1	1.38 ± 0.05 g/cm ³
pH	-	12.5 ± 1
Viscosity	UNE 48076	120 ± 5 K.U.
% solids	-	60 ± 5%
Washable	ISO 13300	Class 1
Permeability to water vapour	EN 1062-1	Class 1 S _D < 0.14 m
Capillary water absorption	EN 1062-1	Class 3 w < 0.1 kg/m ² ·h ^{0.5}
Adhesion pull-off strength	EN 1542	0.81 N/mm ² (flexible system)
Reaction to fire	EN 13501-1	A1
Thermal cond.	EN 23993	0.1 W/m·K
Appearance	-	Dense paste
Finish	-	Marble

Colours:

Offered in white or coloured according to the NCS 980 colour chart. 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.

Format:

Available in pots of 1 l, 4 l, 12.5 l y 15 l. Inquire about other formats.

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. The product may thicken without losing its properties; shake well before use.

APPLICATION INSTRUCTIONS

Conditions of the substrate:

The substrate must be dry, firm, well-adhered and free from any impurities that may hinder the product from setting fully.

Preparation of the substrate:

If the substrate contains impurities, it is recommended to clean it with pressurised water. Should there be colonies of mould, lichens, algae and bacteria, brush with sodium hypochlorite (bleach) and wait at least 48 hours before painting.

If the substrate is sandy, dusty, etc. brush and consolidate with *Minerseal Premium* diluted 3:1 with water.

If the substrate has salt deposits, brush and apply *Neutralysal Premium*.

If the substrate contains a high moisture level, apply *StopWater Premium*.

If the substrate presents surface cracks, the recommendation depends on the width of the crack:

1-3 mm	Apply <i>Füllmasse Premium</i> (with a fibreglass mesh if >1 mm).
3-10 mm	Chip superficially and apply <i>Naturglue Premium</i> with mesh.
>10 mm	Requires architectural assessment.

If the support presents scaling/blistering of the existing paint or mortar, the recommendation depends on the depth of the deterioration:

1-3 mm	Scrape, brush and apply <i>Ecoputty Premium</i> .
3-8 mm	Wash with plenty of water, dry (24 hs) and apply <i>Naturglue Premium</i> with mesh.
8-20 mm	Clean with plenty of water, dry (24 hs), apply <i>MortarBase Premium</i> and finish with <i>Mortar-Fine Premium</i> (<10 mm) with a mesh.

>20 mm Clean with plenty of water, dry (24 hs), apply *Naturglue Premium* (5 mm), apply tile according to width of the cavity (1-5 cm) and apply *Naturglue Premium* (<10 mm) with a mesh.

If the substrate contains pathologies such as moisture due to capillarity, condensation, leak, biodeterioration or movements of the substrate, etc., then it is necessary to resolve the structural problems first.

Depending upon the nature of the support, the recommendations listed above may vary as follows:

- Very absorbent substrates such as clay, adobe, rammed earth: apply *Minerseal Premium*.
- Substrate with no porosity such as glazed tiles, phenolic panels, epoxy or polyurethane paints: apply *Four2Four Premium*.
- Wood or metal substrates (without corrosion or oxidation): apply *Four2Four Premium*.

Application method:

Firstly, apply a coat of *Graphenstone® paint* diluted with water at 15% of its weight.

Mix well to ensure an even consistency and apply 1 or 2 coats to give the desired effect. Polish by hand using a stucco trowel or with electric polisher.

If the product becomes dry, water can be sprayed to recover workability.

Drying:

In conditions of 25 °C and 60% relative humidity, allow 24 hours between the paint and the product and about 30 minutes between application of coats. To polish, wait 30-40 minutes, if done by hand, and about 90 minutes, if using an electric polisher. Allow 24 hours for the total drying and final protection.

The physical and chemical hardening (carbonation process) mainly occurs during the first 30 days. It is recommended to avoid cleaning and/or rubbing during that time.

Environmental conditions:

The work temperature (environment and substrate) must be greater than +5 °C and less than +32 °C. Do not apply in direct sunlight, nor on support heated by the sun.



Tools:

Stucco trowel, Japanese trowel.

Tool cleaning:

Clean tools after use with warm water.

Notes:

The indicated times are for environmental conditions of 25 °C and 60% relative humidity.

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.

In case of rain, let the substrate dry for at least 48 hours before applying.

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

It is recommended to protect the treated surface with *BeeWax Premium*, especially for very humid areas or if it is a darkly coloured finish.

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 apply decorative glazing and/or self-adhesive templates or other kinds of masking, until one week has past.

Do not mix with other products or specific properties may change.

Complementary products:

It is recommended to use the *Graphenstone®* product line for complementary actions, according to the

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 ones.

required application, repair and/or finish. Please, refer to the relevant Technical Data Sheets.

DECLARATIONS

The manufacturer declares that the composition of the product, it does not contain hazardous substances or plasticisers; it is free of VOC emissions and favours energy efficiency, according to the LRV (89.4%) and SRI (100 ± 0.03) results. It complies with the criteria of the EU Ecolabel in accordance with Committee Decision of August 13, 2008 (Ecolabel).

ADDITIONAL INFORMATION

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 packages are made of recycled polypropylene.

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.