

Rock Stone



Technical Data Sheet Revision:

of:



Decorative cementitious powder coating, natural stone effect, medium-high thickness for interior applications

Product Description

Rock Stone is a premixed, ready-to-mix, decorative cementitious coating in powder form, designed to create highly aesthetically pleasing natural stone-effect surfaces. Its formulation is based on a balanced combination of selected mineral aggregates, Portland cement, UV-resistant inorganic oxides, and specific additives that improve workability, adhesion, and waterproofing.

Thanks to its textured structure and calibrated grain size, Rock Stone allows you to shape the surface and faithfully reproduce the look of natural stone, pebbles, and rocks, making it ideal for high-quality decorations and dramatic cladding. The product is suitable for creating seamless cladding with thicknesses ranging from 10 to 50 mm, ensuring compactness, stability, and excellent mechanical resistance.

Rock Stone represents a versatile solution for applicators and decorators who want to obtain customized, three-dimensional and authentic-looking finishes, while maintaining easy installation and adequate working times.

Features and Performance

• **Decorative cementitious powder coating, designed to create highly realistic natural stone effects.**

• Premixed formulation with selected mineral aggregates, Portland cement, and inorganic oxides with high UV stability. • Excellent workability, thanks to

the presence of additives that facilitate mixing, application, and moldability of the product. • High adhesion to traditional mineral substrates, plasters,

and cementitious surfaces. • Ideal for three-dimensional creations, engravings, and artistic modeling

that simulate rocks, stones, and sculpted stones. • Applicable in thicknesses ranging from 10 to 50 mm, allowing for both light material decorations and more structured coatings.

• **Proven mechanical resistance, with compression and flexural strength suitable for light structural decorative applications.** • Suitable for interiors, for visually striking textured finishes, even on large surfaces.

Fields of Application

Rock Stone is a decorative cementitious coating ideal for creating textured, natural stone-effect surfaces in interiors. Thanks to its high-build formula and the presence of select aggregates, it can be applied to a wide range of mineral substrates, ensuring adhesion, stability, and workability.

It is indicated for:

Premixed plasters and traditional mortars, suitably cured and compact.

Brick walls, concrete blocks and rough concrete surfaces.

Panels and suitably prepared mineral surfaces, where a sculpted or three-dimensional finish is required.

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Decorative architectural elements, niches, arches, cornices, and interior walls can be enhanced with textured, customized stone effects.

Rock Stone allows you to create seamless, moldable coverings that faithfully reproduce rocks, stones, and worked stones, representing a versatile solution for residential, commercial, and scenic environments.

Technical Features

I wait	Dust
Color	Grey / White
Granulometry	0.1 – 3 mm
Dough mix	6 – 6.5 L of water per 25 kg bag
Consumption	10 – 11 kg/m ² per cm of thickness
Application temperature	+5°C / +35°C
Setting time	3 – 5 hours
End of setting time	6 – 7 hours
Compressive strength (28 days)	5.5 N/mm ²
Flexural strength (28 days)	2.8 N/mm ² (UNI EN 1015-11)
Thermal conductivity \ddot{y}	1 W/mK
Water absorption coefficient (W)	W0
Reaction to fire	Class A1 – EN 13501-1

Application Method

Preparation of the substrate

The substrate must be perfectly cured, compact, clean, and free of dust, impurities, loose particles, and saline efflorescence. Smooth concrete surfaces must be pre-treated with a specific primer such as Primer Grip One.

In high temperatures, wind, or on highly absorbent substrates, it's advisable to thoroughly wet the substrate to prevent it from drying too quickly. After applying Rock Stone, the substrates must be protected from rain and frost for at least 48 hours.

Product preparation

Rock Stone must be mixed with 6–6.5 liters of clean water for each 25 kg bag. Mix with a low-speed mixer for at least 4–5 minutes, until the mixture is smooth and free of lumps. It is essential to maintain a consistent amount of water to avoid color variations between batches.

Application

The Rock Stone formulation allows for quicker installation compared to working with natural or artificial stone.

The product can be applied:

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- In a single layer up to thicknesses of 50 mm.
- In multiple layers for greater thicknesses, respecting an interval of 12–24 hours between one layer and the next and always roughening the previous layer to promote adhesion.

Once rolled out to the desired thickness, the material can be shaped to create stone effects, engravings or three-dimensional textures.

Once the setting has begun, it is possible to intervene with special tools to correct imperfections or details.

Finish

The final coloring is done manually with a sponge, brush or spray, using compatible coloring products.

This phase must be carried out after the surface has hardened, following the times indicated by the progress of the setting.

Tips and Notes

- The product contains cement and may cause allergic reactions in sensitive individuals. The use of gloves, goggles, and appropriate protective clothing is therefore recommended. For further information, refer to the updated Safety Data Sheet.
- Application must only take place in suitable climatic conditions. Improper temperatures or humidity can affect drying times and compromise both the aesthetics and performance of the coating.
- All substrates must be perfectly coplanar, stable, and free of micro-cracks. Inadequately prepared substrates may cause visible micro-cracks or cracks in the applied product.
- Due to the very nature of natural mineral aggregates, it is not possible to guarantee perfect color uniformity between different supplies. It is therefore advisable to verify that the material required for the project comes from the same production batch, to ensure aesthetic consistency.
- If applied in unfavorable weather conditions (wind, high temperatures, high humidity, direct sunlight), the behavior of the product may be altered, with possible variations in setting times or surface defects.

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