



ITAL KOL

your partner to build with



VELO WEST AFRICA

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FIELD OF APPLICATION

It is used to create a white or colored water-repellent, fine and coarse textured surface on substrates where flexibility and adhesion are required. It can replace the final render coat (finish or setting coat). In combination with the fiber-reinforced adhesive IK Universal, it is used as a system for application on thermal insulation boards.

Some application examples

- Decorating and protecting all new and well-cured cementations or lime-based renders which are cohesive, well-attached and which are not crumbly.
- Decorating and protecting insulation cladding systems.
- Covering old paint and old plastic or mineral coatings which are well attached to the substrate.
- Covering old plastic or mineral coatings applied on thermal cladding systems which are well-attached to the substrate with no cracks or crazing.

TECHNICAL CHARACTERISTICS

IK Grafiato is a premixed render (skim coat) with coarse aggregate (up to 3 mm), enhanced with resins. IK Grafiato offers:

- Total water-repellency, acc. to DIN 18550.
- Excellent vapor permeability (breathability).
- No need for facade painting.
- Stable standardized properties.
- Suitable for indoor and outdoor application.
- Crack prevention unlike ordinary cement lime renders.
- Simplified application on site (needs only water).

Certified according to EN 998-1 and classified as GP CS II, W2 mortar.

RECOMMENDATIONS

- Do not apply **IK GRAFIATO** on damp substrates, or on substrates which are not well cured.
- Do not apply **IK GRAFIATO** if the temperature is lower than +5°C or higher than +35°C.
- Do not apply **IK GRAFIATO** if the humidity level is higher than 85%.
- Do not apply **IK GRAFIATO** if it is about to rain, in windy weather or if there is direct sunlight.
- Do not apply **IK GRAFIATO** for decorating de-humidifying render.
- Please refer to the “Safety instructions for preparation and application” section.

APPLICATION PROCEDURE

Preparation of the substrate

New surfaces requiring treatment or areas patched up with repair mortar must be well-cured, perfectly clean, cohesive and dry. Remove all traces of oil and grease from the surface and any parts which are not well attached. Seal all cracks and repair areas which are deteriorated. Seal porosity and even out the surface of the substrate with mortar and skimming compound. Apply primer and leave it to dry for 12-24 hours before applying IK Grafiato.

Preparation of the product

IK GRAFIATO Pour 6-7 liters of water into a clean container and, while mixing slowly, add a 25 kg bag of IK Grafiato. Mix for several minutes making sure any unblended powder from the bottom and the sides of the container is removed. Mix until a homogeneous, completely lump-free mixture is obtained. It is recommended to use a low speed mechanical stirrer in order to prevent excess air entrapment. In order to completely disperse the contained additives, let the mixture stand for approximately 3 minutes after its preparation. Re-mix briefly before use. Avoid preparing the mix manually.

Application of the product

Apply IK GRAFIATO using a stainless or plastic trowel on a dry coat of primer. It can be also applied by spray, with suitable tools. The protection cycle requires the application of one coat of IK GRAFIATO. Spread the product in a uniform layer leveling the product with a plastic trowel to create an even finish or using a damp sponge float to obtain the desired final effect. According to the product grain size and the roughness of the substrate, the application can be carried out in two layers, to reach a perfectly homogeneous finish.

Cleaning

Tools used to apply IK GRAFIATO may be cleaned with water before it dries.

CONSUMPTION

Consumption is heavily influenced by the absorption and roughness of the substrate. For even substrates, consumption is generally 2.5-5 kg/m² according to the grain size.

PACKAGING

IK GRAFIATO is supplied in 20 kg paper bag.

STORAGE

12 months if stored in a dry place away from sources of heat at a temperature of between +5°C and +30°C. Protect from freezing weather.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

IK GRAFIATO It contains cement and lime that on contact with sweat or other body fluids produces an irritant alkaline reaction and could cause serious damage to the eyes. Wear protective gloves and goggles. For further information refer to the Safety Data Sheet. FOR PROFESSIONAL USE.

TECHNICAL DATA	
Product identity	
Appearance:	powder
Color:	white
Bulk density (kg/m ³):	1,500
Maximum diameter of aggregate (µm):	3000
Dry solid content (%):	100
Application data (at +23°C and 50% R.H.)	
Color of mix:	White
Mix ratio of mix:	27-30% water
Density of mix (kg/m ³):	1,740
pH of mix:	12-12.5
Pot life of mix	approx. 2 hrs
Application temperature range:	from +5°C to +35°C
Max thickness per coat (mm):	3
Waiting time before float finishing:	15 minutes.
Final performance	
Compressive strength according to EN 196/1 (N/mm ²): – after 28 days (+23°C and 50% R.H.):	> 5.0
Flexural strength (N/mm ²): – after 28 days (+23°C and 50% R.H.):	> 2.5