



ITAL KOL

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Cement based smooth finishing compound for interior and exterior renders, to be applied up to 3 mm thick before application of decorative renders

IK UNIVERSAL

FIELD OF APPLICATION

Smooth finishing of coarse traditional or pre-packed renders for interiors using before decoration with a thin coat of paint coatings or before application of decorative renders.

Some application examples

- Smooth finishing of cement lime mortar or pre-packed fresh renders (within 24 hours of its application), for interiors and exterior, before painting or applying colored coatings.
- Smooth finishing of fresh pre-packed and cement lime mortar renders on walls and ceilings before application of decorative renders

TECHNICAL CHARACTERISTICS

IK UNIVERSAL is a one component pre-packed smoothing compound with standard hardening, based on hydraulic and aerated binders, selected lime and quartz sands and special powder additives. Thanks to its special composition, the material obtained by mixing **IK UNIVERSAL** with water has a high bonding strength and is easy to apply with a metal trowel even on coarse renders. Furthermore, it can be quickly finished with a sponge float. In good weather, colored finishes paint can be carried out after 3-4 weeks from the application of the product.

RECOMMENDATIONS

- Do not use **IK UNIVERSAL** for finishing thickness above 3 mm in a single coat.
- Do not apply **IK UNIVERSAL** at temperatures below +5°C or above +35°C.
- Do not add cement, lime, additives or aggregates to the product.
- Do not apply **IK UNIVERSAL** on painted surfaces.
- Do not apply **IK UNIVERSAL** on plastic coatings.
- Do not use **IK UNIVERSAL** to smooth cementations substrates, ceramic or wooden floors.
- Do not apply **IK UNIVERSAL** on gypsum based renders without primer.
- Do not apply **IK UNIVERSAL** on cured renders.
- Do not use **IK UNIVERSAL** on windy days or when the surfaces are in direct sunlight.
- Do not apply on dehumidified renders.

APPLICATION PROCEDURE

Preparing the substrate

The render to be leveled must be fresh (not cured for more than 24 hours), even and brushed to remove any surface laitance and loose particles.

Preparing the finishing compound

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

Applying the finishing compound

Apply the leveling compound (maximum 3 mm thick) with a flat metal trowel to the render surface (within 24 hours of its application). Make sure to completely and evenly cover the substrate. If more than a 3 mm coat is needed, apply a second coat after approximately 30 minutes. The finishing of IK UNIVERSAL can be carried out with a flat metal trowel some minutes after its application or with a sponge float after 15 minutes. In high temperatures, windy or sunny days, it is recommended to wet the surface with water with a fine mist spray after it begins to set (when the product is not "markable" with finger pressure) and during the following days when the mortar has completely cured. This is to avoid rapid drying and hygrometric shrinkage that could cause cracks.

Instructions to be followed during and after application

No particular precautions need to be taken at temperatures around +20°C. At high or low temperatures or strong ventilation, the normal precautions for the use of cementations materials need to be taken.

Cleaning

It is recommended to wash working tools with water before the mortar hardens. Once IK UNIVERSAL hardens, it is very difficult to remove and tools can only be cleaned by mechanical means..

CONSUMPTION

Approximately 1.35 kg/m² per mm of thickness.

PACKAGING

20 kg bags

STORAGE

IK UNIVERSAL can be stored for 12 months in the original packaging and in a dry sheltered place. Manufactured in compliance with the regulations of the 2003/53/EC Directive.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

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	
Consistency:	powder
Color:	white
Bulk density (kg/m ³):	1,500
Maximum diameter of aggregate (µm):	600
Dry solid content (%):	100
Application data (at +23°C and 50% R.H.)	
Color of mix:	light grey
Mix ratio of mix:	26-28% 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):	2
Waiting time between coats:	30 mins.
Waiting time before float finishing:	15 mins.
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