

# klebocalce naturale

technical sheet - ed. 07/2024



COMPANY  
WITH QUALITY  
MANAGEMENT  
SYSTEM  
CERTIFIED

IVAS INDUSTRIA  
VERNICI



INDOOR



OUTDOOR



WATER  
BASED



TROWEL

## Hydraulic lime-based adhesive/skim coat

### DESCRIPTION

Hydraulic lime-based adhesive/skim coat specifically designed for gluing and skimming natural or mineral insulating panels in TermoK8 processes. The product blends the workability and breathability of Natural Hydraulic Lime (Natural Hydraulic Lime 3.5, UNI-EN 459-1) with the fast setting properties of Roman Cement (Ciment Promt Naturel, NF P 15-314). Totally 'Portland Free'. The ideal solution for green construction and architectural renovation.

### MAIN PROPERTIES

- ideal for Green Building projects

### TECHNICAL DATA

Classification (UNI 8681 / UNI 8682)	Matt, chemical-drying, powdered lime-based plaster for base coat.
Granulometry (EN 13300 / EN 1062)	0.6mm
Reaction to fire (EN 13501-1)	Class A1
Capillary absorption and perm. Water (class W) (EN 1015-18)	Class W2 (0.23 Kg/m <sup>2</sup> min0.5)
Adhesion (EN 1015-12)	on brick >0.5 N/mm <sup>2</sup> after 28 days on insulating panels support breakage
Open time (EN 1346)	20 min
Thermal conductivity (λ) (EN 1745)	0.47 W/mK
Water vapour transmission (μ) (EN 1015-19)	5 - 20
Bending resistance	1.9 N/mm <sup>2</sup>
Compression resistance	4.5 N/mm <sup>2</sup> , CS II (1.5 to 5 N/mm <sup>2</sup> )
Apparent bulk volume	1300 ± 50 g/l
Bulk volume in paste	1570 ± 50 g/l
	>12
Type of binder	Hydraulic Lime, Cement and Vinyl Copolymer (UNI 8681: SA, TA and HF)
Solid content	100%
Mixing Ratio	30-32% with water; 7.5-8 Litres per 25Kg package
Maximum application thickness	5mm in two coats
Drying time	24-48 hours between coats. At least 10 days before covering. Drying time depends greatly on environmental conditions.

### CHARACTERISTICS

Pot-life of mixture	About 1 hour
Coverage	1.1 kg/m <sup>2</sup> per mm of thickness; For gluing: 3.5-4 Kg/m <sup>2</sup> - For skim coating: 3.5-4 Kg/m <sup>2</sup>
Overpaintable	Compatibility with other products: compatible with all water-based products
Colour range	Hazelnut
Dilution	Water

## APPLICATION

### Suitable Substrates:

Cement-based plasters, painted plasters, exposed reinforced concrete, precast concrete panels, fibre cement, bricks, hollow bricks, insulating panels

### Preparation of the Substrate:

All substrates should be carefully prepared by manual brushing and/or washing, making certain that there is no efflorescence, loose parts, release agents, waxes, oils or anything else that could compromise adhesion. Chalky concrete and plaster must be consolidated with a coat of PRIMACRIL at least 5 - 6 hours before application

### Ambient Conditions:

min +5°C max +28°C

### Type of Equipment:

serrated spatula, mason's trowel, sponge trowel, low speed mixer

### Application Procedure:

To glue cork, rockwool, wood fiber, wood pulp, calcium-silicate, insulating panels

prepare the adhesive mortar by mixing 25 kg of KLEBOCALCE NATURALE with 7.5 - 8.0 litres of water for 3 minutes, using a mechanical mixer, until it is smooth and free of lumps and being careful not to overly heat the mixture. Let the mixture stand for 5', remix for a few seconds and then proceed with application. Apply along the perimeter of the insulating slab and in dabs in the centre.

For skim coating

prepare the smoothing mortar by mixing 25 kg of KLEBOCALCE NATURALE with 6 litres of water for at least 5', until it is smooth and free of lumps, and being careful not to overly heat the mixture. Let the mixture stand for 5', remix and then proceed with application. Using a metal trowel, apply the mixture so that the surface is adequately uniform.

For reinforced skim coats

prepare the smoothing mortar by mixing 25 kg of KLEBOCALCE NATURALE with 6 litres of water for at least 5', until it is smooth and free of lumps, and being careful not to overly heat the mixture. Let the mixture stand for 5', remix and then proceed with application. Using a metal trowel, apply the mixture so that the surface is adequately uniform. While the mortar is still wet, apply the Armatex (IVAS) glass fibre mesh fabric, pull it taut and embed it into the fresh mortar with the help of a trowel or spatula, making sure to overlap the sheets by at least 10 cm and trying to avoid the formation of blisters and creases. The mesh should be completely covered by the mortar and, in any case, not visible.

### Notes:

Do not apply on surfaces that are in direct sunlight, frozen or very hot. Do not apply when it is very windy or when there is fog or rain. The conditions must last at least 2 days after application.

## STORAGE

### Disposal and safety indications:

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet

### Packaging:

25kg bags

### Storage:

1 year on a pallet and when stored in a dry place in undamaged packages at between 5 and 30°C.

## TECHNOLOGIES/CERTIFICATIO

