

KLEBOCEM R 110 J

Technical Sheet - Ed. 10/2019



Fibre-based adhesive and skim coat offers superb adhesive properties and resistance to freeze-thaw cycles. With good filling capacity and spreadability, it is specifically suited as a reinforcing mortar in areas subject to stress or in high strain and can also be used to glue insulation panels used in Termok8 Ivás processes. For indoor and outdoor use.

DESCRIPTION

Made of unsaponifiable resins, high resistance Portland cement, selected sands, and polyamide fibres. It offers superb adhesive properties and resistance to freeze-thaw cycles. With good filling capacity and spreadability, KLEBOCEM R110 J is specifically suited as a reinforcing mortar in areas subject to stress or in high strain and can also be used to glue insulation panels used in Termok8®IVAS processes. It can also be used for skim coats, mesh-reinforced skim coats, on cracked plaster and reinforced concrete. Product tested according to UNI EN 998-1 (LW CS III W 2 type) for use of CE marking. For professional use.

MAIN PROPERTIES

- Very high impact resistance

TECHNICAL DATA

Classification UNI 8681	One-pack, matt, physical drying, lightened, fibre-reinforced, powdered plaster for base coat made of cement and vinyl copolymers.
Maximum granulometry EN 1062	1.0mm
Maximum application thickness	5mm in two coats
Apparent bulk volume	800 ± 50 g/l
Bulk volume in paste	850 ± 50 g/l
pH	12
Type of binder	Cement-based (UNI 8681: TA)
Solid content	100%
Vapour permeability EN 1015-18	Class W2 (C ≤ 0.2 Kg/m ² min0.5)
Adhesion EN 1015-12	>0,2 N/mm ² - FP:B (EN 1015-12) 1 N/mm ² dopo 28gg (EN 1348:2007)
Flexural properties	4,5 N/mm ²
Compressive properties	6 N/mm ² , CS IV (≥6 N/mm ²)
Thermal conductivity EN 1745	0,18 W/mK
Water vapour diffusion (μ)	20 - 30
Reaction to fire	Class A1
VOC	Not covered by Directive 2004/42/CE

CHARACTERISTICS

Colour range	Grey
Coverage	0.6 Kg/m ² per mm of thickness For skim coating: 5-5.5 Kg/m ² on corrugated sheet
Mixing Ratio	34-36% with water 5-5.4 Litres per 15Kg package
Diluted with	Water
Open time EN 1346	20 min
Pot-life of mixture	About 3 hours
Drying time	24-48 hours between coats. At least 10 days before covering. Drying time depends greatly on environmental conditions.
Overpaintable	Compatibility with other products: compatible with all water-based products

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This Technical Sheet is compiled to the best of our technical/scientific knowledge. Nevertheless, it is not binding and does not imply that we are responsible, as the conditions of use are outside our control. It is recommended that the product is always checked as being suitable for the specific application.

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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.

Application Procedure:

To glue insulating panels

prepare the adhesive mortar by mixing 15 kg of KLEBOCEM R110 J with 5-5.4 litres of water for at least 5' using a mechanical mixer until it is smooth and free of lumps, being careful not to overly heat the mixture. Let the mixture stand for 5', remix and then proceed with application. Apply along the perimeter of the insulating slab and in dabs in the centre.

For reinforced skim coat

prepare the smoothing mortar by mixing 15 kg of KLEBOCEM 100 J with 5.4 litres of water for at least 3', 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 10mm serrated spatula, apply the mixture so that the surface is adequately uniform. While the mortar is still wet, apply the Armatex C1 M (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.

Overall thickness of the reinforced skim coat > 8 mm

Type of Equipment:

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

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.

Ambient Conditions:

min +5°C max +35°C

STORAGE

Packaging:

15 kg bags

Duration and Preservation:

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

Dispose of in accordance with local regulations.

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

CERTIFICATION\CLASSIFICATION



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