Product Data Sheet

Klebocem Adefix 12

DESCRIPTION

Adhesive/skim coat in powder form with superb adhesive properties and resistance to freeze-thaw cycles. For indoor and outdoor use.

PROPERTIES

Made of polymer modified resins, high resistance Portland cement and selected sands. Superb filling capacity and trowel applicability. Suitable for gluing, skim coats (mesh-reinforced), cracked plaster, reinforced concrete, insulating panels. For professional use.

TECHNICAL DATA

Classification UNI 8681	One-pack, matt, physical drying powdered plaster for base coat made of cement, vinyl copolymers and lime stone (only ADEFIX COARSE).
Maximum granulometry EN 1062	Normal: 0.8 mm Coarse: 1.2 mm
Maximum application thickness	Fine: 5mm in two coats Coarse: 7mm in two coats
Apparent bulk volume	1200 ± 50 g/l
Bulk volume in paste	1550 ± 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/m² min 0.5)
Adhesion EN 1015-12	>0,5 N/mm² - FP:B (EN 1015-12)
Flexural properties	4,5 N/mm2
Compressive properties	10 N/mm², CS IV (≥6 N/mm²)
Thermal conductivity EN 1745	0,47 W/mK
Water vapour diffusion (μ)	5 - 20
Reaction to fire	Class A1
VOC	Not covered by Directive 2004/42/CE

CHARACTERISTICS

Colour range	Grey and White
Coverage	1.3 kg/m2 per mm of thickness For gluing: 4-4.5 Kg/m2 - For skim coating: 4-4.5 Kg/m2
Mixing Ratio	22-24% with water 5.5-6 Litres per 25Kg package

Product Data Sheet

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.

APPLICATION

Suitable Substrates:

Cement-based plasters, painted plasters, exposed reinforced concrete, precast concrete panels, fibre cement, bricks, hollow bricks, insulating panels (StoneWool, Expanded Polystyrene)

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. Wait for the substrate to dry and then apply ADEFIX directly or as an adhesive..
Klebocem Adefix is then applied in two equal layers of 3/4mm, with Armatex Glass Fibre mesh installed to the top third of the first 'mesh' layer. Each layer must be allowed to cure before applying subsequent layers or finishes.

Application Procedure:

Adhesively bonding insulating panels
Prepare the adhesive by mixing 25 kg of ADEFIX with 5.5 – 6 litres of water for at least 5' 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 minutes, remix and then proceed with application. Apply using a serrated edged trowel (10mm serrations) across the insulating board, so that the serrations are running vertically.
For reinforced skim coats
Prepare the smoothing mortar by mixing 25 kg of ADEFIX with 6 litres of water for at least 5 minutes, until it is smooth and free of lumps, and being careful not to overly heat the mixture. Let the mixture stand for 5 minutes, 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 glass fibre mesh , 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 100 mm 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 . Mesh sits in the top third of the mesh layer.
For skim coating
prepare the smoothing mortar by mixing 25 kg of ADEFIX with 6 litres of water for at least 5 minutes, until it is smooth and free of lumps, and being careful not to overly heat the mixture. Let the mixture stand for 5 minutes, remix and then proceed with application. Using a metal trowel, apply the mixture so that the surface is adequately uniform.

Product Data Sheet

Type of Equipment:

spatula, mason's trowel, finishing 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:

25 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