

Adhesive for thermal insulation boards

Description

ISOMAT AK-T33 is a cement-based adhesive for thermal insulation boards. It provides high adhesive strength, elasticity and moisture resistance.

Fields of application

ISOMAT AK-T33 is used in combination with the plasters MARMOCRET PLUS and MARMOCRYL, as a system for the external thermal insulation of buildings.

It is suitable for fixing thermal insulation polystyrene boards on the facades of buildings.

Technical data

Form:	cementitious mortar
Color:	grey
Water demand:	6, 00 l/25 kg bag
Bulk density of dry mortar:	1,55 ± 0,10 kg/l
Bulk density of fresh mortar:	1,75 ± 0,10 kg/l
Application temperature:	from +5°C to +35°C
Pot life:	at least 6 h
Adhesive strength to concrete:	≥ 0, 80 N/mm ²
Adhesive strength to extruded polystyrene:	≥ 0, 07 N/mm ²
Adhesive strength to expanded polystyrene:	≥ 0, 04 N/mm ²
Compressive strength:	8, 00 N/mm ²
Flexural strength:	3, 50 N/mm ²
Capillary water absorption:	≤ 0,5 kg/m ² min ^{0,5}

Directions for use

1. Substrate

The surface to be covered with boards should be free of dust, grease, loose particles, paints etc. It is recommended that it is dampened before application.

2. Application

ISOMAT AK-T33 is gradually added into water under continuous stirring until a homogeneous paste is formed. A low revolution mixer is recommended for mixing. The mixture should be left for about 10 minutes to rest and then should be re-stirred a bit.

On smooth substrates the adhesive is spread on the thermo-insulation board and combed using a notched trowel in order to be uniformly applied on the whole of the surface.

On uneven substrates the adhesive is applied with a trowel around the perimeter of the thermo-insulation board and in selected spots in the center.

Next, the thermal insulation boards are fixed by pressing them on the desired position.

Consumption

3,0-4,0 kg/m², depending on the trowel's notch size and the nature of the substrate.

Packaging

ISOMAT AK-T33 is supplied in paper bags of 25kg.

Storage

12 months from production date if stored in original, unopened packaging, in places protected from moisture and frost.

ISOMAT AK-T33



Remarks

- ISOMAT AK-T33 contains cement and reacts as alkaline with moisture, so it is classified as irritant.
- Very porous surfaces such as aerated concrete, gypsum boards, chipboards etc. must be primed first with UNI-PRIMER acrylic primer.
- Consult usage risks and safety advice written on the bag.

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