

TRANSCOL TH83 (THERMIK) BRANCO

Mortar for bonding and coating on thermal insulation boards classified as C1 TE

COLOR
White

PACKAGING
25kg bag

USE
Exterior/ Interior

COVERAGE
Bonding: 4 to 4.2 kg/m²
Busbar: 2.2 to 2.5 kg/m²

1. PURPOSE

Water-repellent mortar, thermal insulation with glass fibers for bonding and coating on EPS, XPS and cork agglomerate thermal insulation boards, on facades and exterior/interior walls. It must be applied manually, with a spatula or lico.

2. TECHNICAL DATA

Property	Value
Volumic mass (powder)	1400 ± 200 Kg /m ³
Open time	30 min ≥ 0.5 N/mm ²
Initial adhesion	≥ 1 N/mm ²
Adhesion after heat action	≥ 0.5 N/mm ²
Adhesion after water action	≥ 0.5 N/mm ²
Adhesion after freeze/thaw cycles	≥ 0.5 N/mm ²
Reaction to Fire	Class A1

Results obtained according to EN 12004 under controlled conditions

3. COMPOSITION

Washed siliceous sand, calcium carbonate, cement, inorganic additives and admixtures, water-retaining additives, synthetic fibers and synthetic resins.

4. SUBSTRATE

Apply to ceramic brick, cement block and concrete masonry, which must be more than 30 days old.

The substrate must be clean, free of dust, paint residues, grease and formwork oils. Also, EPS, XPS and cork chipboard boards must be dry and clean.

It should be applied to the flat and regular wall, proceeding, if necessary, to correct it.

The substrate should not be too dry and if it is, you should slightly moisten the surface 20 minutes before application, or in specific cases, apply surface regulator and/or in the case of substrates of different nature, apply Transcol Chapisco.

5. PREPARATION

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Mix the contents of the 25Kg bag with approximately 7 litres of clean water until a homogeneous mass is obtained, without lumps.

The mixture can be carried out manually, using a concrete mixer or a kneading machine.

Once mixed, the mortar should be applied within the next 30 minutes without adding any more water after kneading.

6. APPLICATION

1. Apply a 6 mm thick layer of mortar over the board, with the undented side of the steel trowel.
2. Pass the toothed side of the trowel, at an angle of 60° to the base, over the newly applied mortar.
3. The mortar removed by the teeth of the trowel should be remixed with the rest.
4. Apply the EPS, XPS and cork agglomerate boards on the substrate, pressing them with vibrating movements. The mortar will have a minimum thickness of 4 mm after the slabs are laid.
5. After the boards are glued, reinforce the corners of the walls with suitable profiles and the angles around the openings with anti-alkaline fiberglass mesh
6. Coat the surface of the insulating board with a first layer of mortar, applied with a stainless steel trowel, stretch the anti-alkaline fiberglass net with side overlaps of about 20 cm, and gently smooth the surface with the smooth trowel, ensuring that the net is well stretched and covered.
7. For sanded finish use Transcol Revdecor, acrylic or Transcol Revtherm.

Note: The joints between plates should not be left open, in order to avoid thermal bridges. Those that result in an opening should be filled with sheets of insulating material or polyurethane foam, **and never with the gluing mortar itself**.

During the placement of the plates, check and adjust the verticality and alignment with the adjacent plates, using a 2 m leveling ruler, placing the plates from bottom to top and with mismatched joints.

When applying Transcol Thermik White TH83 to rock wool boards, these should be completely barred.

When plates are applied at a height of more than 4m, it is necessary to fix them with dowels.

8. SAFETY

It is recommended to use a dust mask to protect the respirable crystalline silica, goggles and gloves when handling the product. If there is contact with eyes, rinse thoroughly with clean water. Do not ingest. Refer to the Product Safety Data Sheet.

9. USEFUL ADVICE

- ◆ Application temperature from 5°C to 30°C;
- ◆ Excess water in the preparation alters the physical characteristics of the product;
- ◆ Never add any other type of product to the mortar;
- ◆ Never use acid or excess water to clean mortar residues;
- ◆ Do not apply in rain, very humid environment or strong wind;

- ◆ Do not apply on icy surfaces or those at risk of frost within 24 hours of applying the product.

10. STORAGE

Store in a dry and ventilated place, on the pallet and in the original closed and protected packages, for 180 days from the date of manufacture.