



TECHNICAL DATA SHEET

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topeca

B-therm

levelling and regularization

lightened filling with thermal and acoustic performance



- Lightweight mortar
- Improves the thermal and acoustic performance
- It could be pumped

use

Topeca B-Therm is a filling mortar execution term base - insulator. Used to perform leveling and filling in rough slabs, functioning as protection of technical installations. Suitable for filling and smoothing floors incorporating heating systems (floor heating).

Leveling and regularization of flat roofs (attics, terraces), not affordable or accessible to people.

Topeca B-therm reduces:

Thicknesses of the insulating panels of heating systems.

Energy costs since it reinforces the thermal and noise insulation of the floor.

surface

- Concrete
- Screeds



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recommendations

Do not mix the Topeca B-therm with other products.

Respect the amount of water indicated on the packaging, use water free from impurities.

The support of the expansion joints must be extended to the filling mortar.

In non-passable flat roofs on the outside should protect the entire surface of climate actions, using for this purpose the use of waterproofing products. However, it is necessary to regulate the Topeca B-therm, before application of waterproofing.

In flat roofs not accessible within the Topeca B-therm may function as the final coating, since there are no requirements for movement.

The Topeca B-therm must be coated with a smoothing mortar in all types of floor coverings where there is movement requirements.

Do not use compaction vibrators in order to avoid segregation of materials.

composition and characteristics

Composition:

Cement, lime and silica aggregates, regranulate cork and specific additives.

Characteristics:

Application temperature: +5 to +30°C

Application thickness: ≥ 8 cm

Powder density: 600 kg/m³

Paste density: 700 kg/m³

Bulk density of hardened product: 800 kg / m³

Compressive strength: 3.8 N/mm²

Flexural strength: 1.2 N/mm²

Thermal Conductivity: 0.14 (W/m°C)

Sound reduction value, ΔLW : 11 dB

Note: These results were obtained in laboratory testing, under standard conditions, (T=20°C) and may vary depending on application conditions.

colour

Grey

consumption

7 kg/m².cm

available in

Sacks of 12 kg

Pallets with 48 sacks.

storage

1 year in unopened package in a damp free environment.



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preparation of surface

The surface must be dry, clean.

Around pillars and walls place an edging strip, expanded polystyrene, cork, foamed polyethylene, to separate filling layer of adjoining elements.



application

Mix the Topeca B-therm preferably mechanically with about 6.5 liters of water until a smooth paste.



Apply Topeca B-therm directly onto the support. Regulate and / or level the product with aluminum strip to the planned quota. The filling mortar has to be compressed to a smooth surface and without outcrops of water.



Allow to dry the Topeca B-therm before placing the regularization layer.

permissible coatings

Underfloor heating, traditional screeds.

