



Qualities

P.T.B.-ISO-M is a ready-for-use product. It is ideal for floor and roof insulation (on concrete), and for filling in of wall chases, pipes and insulation coating.



Advantages

Very easy processing:

P.T.B.-ISO-M is extremely simple and easy to apply. It is readied just by adding water. Filling, smoothing out, and plastering on does not require previous or professional know-how.



One-piece insulation:

With P.T.B.-ISO-M one can fill in and insulate pipes in one single operation. It lends itself to being applied IN ONE PIECE, which results in a perfect, seamless, and stable insulation layer. It replaces the so-called floating floor pavements and the levelling floor pavements.



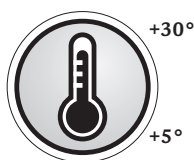
Resistance:

P.T.B.-ISO-M possesses a much higher compressive and bending resistance than most other insulating materials.



Properties

Heat conductivity coefficient: $\pm 0,07 \text{ W/mK}$
 Compressive resistance: $> 0,66 \text{ N/mm}^2$
 Bending resistance: $0,45 \text{ N/mm}^2$
 Specific weight: $\pm 300 \text{ kg/m}^3$



Mixing ratio	Consumption	Packaging
$\pm 7,5 \text{ l per bag}$	1 bag gives $\pm 50 \text{ l}$ hardened mortar (= $1 \text{ m}^2 \times 5 \text{ cm}$ thickness)	50 l ($\pm 12,50 \text{ kg}$)
Colours	Processing time	Application temperature
grey	$\pm 2 \text{ hours}$	+ 5 till + 30 °C

Processing

Binder course: in most cases, application of a binder course prior to positioning is recommended. This binder course consists of cement mixed with a COMPAKTUNA®(PRO)/water solution at a 1/2 ratio. The binder course is brushed on the work surface just prior to the application of P.T.B.-ISO-M so that it is still wet when the P.T.B.-ISO-M is applied.

Mixing:

IT IS NECESSARY TO MIX THE TOTAL CONTENT OF THE BAG OF P.T.B.-ISO-M.

- pour ± 7L of water in the concrete mixer
- add 1/2 BAG P.T.B.-ISO-M and mix into a homogeneous mass
- add the remaining content of the bag and mix further
- pour out the prepared mortar, spread it and smooth it out over the work surface. Further affixing is not necessary.

Applications

Floor insulation:

Ideal as insulation and filler of chases in one single product. A binder course consisting of cement dissolved in a COMPAKTUNA®(PRO)/water solution at a 1 to 2 ratio strongly increases the adhesion. Apply P.T.B.-ISO-M to a thickness of minimum 3 cm and spread out evenly with a trowel or a smoothing board. Let dry completely before accessing the layer.

Ceiling insulation (on concrete):

The same method of application as for floor insulation. Because of its light-weight manipulation, P.T.B.-ISO-M is an ideal insulation for ceilings since it lends itself for ready application between the ceiling joists. In this way, it is possible to get a much stronger insulation layer than with other insulating products. Using P.T.B.-EGALISER-EN, applied in 2 to 3 thin layers, one can readily achieve a dust-free, more or less steady floor layering.

Filling in chases:

Binder course:

mix a solution of 1 part COMPAKTUNA®(PRO) and 2 parts water in the cement. Apply this slurry in a layer of 1 to 2 mm. Mix P.T.B.-ISO-M with ± 7L of water and fill in the chases with a trowel.

Insulating wall plastering:

A binder course consisting of cement mixed with 1 part COMPAKTUNA® and 2 parts water is required. This mixture is applied with a brush to a thickness of 1-2 mm. Mix P.T.B.-ISO-M with ± 7L of water and apply with a trowel to the still damp binder course. To render the surface dust-free, brushing with POLYCOLORIT® is recommended.

Refer to clause p. 2.

