

EM 252

PKM Plus

Product description

EM252 PKM plus is a flexible, hydraulically setting thin-bed mortar for interior and exterior use for bonding ceramic wall and floor tiles made of stoneware and earthenware.

Field of application

EM252 PKM plus is frost resistant, designed for use indoors and outdoors, wet areas, walls and floors. For fixing and laying ceramic wall and floor tiles, brick slips made of stoneware, earthenware, split tiles and hand-molded bricks, brick tiles, clinker tiles using the thin-bed method.

Uneven substrates can be levelled on small areas up to 10mm can be levelled. Grouting can be carried out after 12hours.

Properties

- according to DIN EN 12004 / C2 TE
- Can be walked on and grouted: after approx. 12 hours.

Substrate

EM252 PKM plus is suitable to be used on the below substrates:

- Concrete
- cement and lime-cement plasters
- cement screeds
- cementitious levelling and levelling and filling compounds.

Substrate Preparation

The substrate must be dry, sufficiently solid, load bearing, clean, dimensionally stable, and free of cracks. Low-strength surface areas, separating layers (e.g., oil, grease, paint residues, etc.) and cement slurry must be removed mechanically if necessary. We recommend the following primers:

- EM230 FG for normally absorbent substrates
- EM4716 for sanded calcium sulphate screeds (1:2), for tiles and slabs with a side length ≤ 60 cm or slab size ≤ 0.18 m²
- EM231 SpG for non-absorbent and smooth substrates

Processing / Installation

EM252 PKM plus is mixed in a clean container with clear water while stirring vigorously to a lump-free and pasty mortar suitable for processing. After a maturing time of at least 3 minutes, the mortar mixture must be mixed well again.

Processing is carried out in accordance with the guidelines of DIN 18157. Only apply enough mortar to the substrate to ensure that the covering materials can be installed within the open time. The joints must be scraped out before the mortar hardens. Remove mortar residues in good time with a sponge or similar (and water).

The tool is cleaned with water after use, once hardened cleaning is only possible mechanically.

Caution: contains cement! Reacts alkaline with water.

Technical data

Walkable	after approx. 12 hours
Loadable	after 7 days
Adhesive open time	approx. 30 minutes
Maturing time before remixing	3 minutes
Application temperature	+ 5°C to + 25°C
Working time	approx. 4 hours
Can be Grouted	after approx. 12 hours

Coverage

10 mm notched trowel - approx. 4.3 kg/m²

Special Notes

The technical data refer to + 23°C and 50 % relative humidity. Lower temperatures lengthen, higher temperatures shorten the specified values. The substrate must be checked for residual moisture before laying:

- Cement screeds: max. 2.0 CM-%
- Anhydrite and calcium sulphate screeds: max. 0.5 CM-%
- for underfloor heating: 0.5 CM-%
- gypsum-based substrates: max. 1.0 CM-%
- Cement and lime-cement plasters: air-dry

In cases of doubt, test areas must be created! Request advice regarding processing, substrate, or special design features. Do not add any foreign substances.

Shelf Life

EM252 PKM plus can be stored for at least 12 months in a dry place and in the original packaged bag.

Packaging

20kg paper bags – 56 x 20kg bags per pallet

Legal information

The information in this publication is based on our current technical knowledge and experience. Due to the wide range of possible influences when processing and using our products, it does not exempt the user from carrying out his own tests and trials and only represents general guidelines. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from this. Any industrial property rights and existing laws and regulations must always be observed by the user on his own responsibility. With the publication of this publication/view, all previous publications/views lose their validity.