

TILE BOND LM

Two-Component Polymer Modified Flexible Cementitious Tile Adhesive

Description

TILEBOND LM is a two-component waterproof cementitious tile adhesive composed of Part A white or grey powder adhesive composed of Portland cement, silica sand and special chemical additives, and Part B water based synthetic polymer latex. Once mixed, the obtained product will have a waterproof, flexible, high adhesion, high mechanical resistance against impacts and vibrations, resistance against thermal changes and aging.

Features & Benefits

- Pre-mix, ready to use.
- Waterproof and non-sagging properties.
- For internal and external applications.
- Excellent freeze/thaw cycles resistance.
- Eco-friendly
- High adhesion and bond strength
- Excellent flexibility
- Suitable for hot weather.

Uses

TILEBOND LM is used for waterproof fixing requirement of all types of ceramic tiles including vitreous mosaics, porcelain, clinker, single fired tiles, marbles, natural and artificial stones, etc. **TILEBOND LM** is excellent adhesive for fixing tiles in swimming pools, fountains, steam & sauna rooms, terraces, balconies refrigerating rooms, schools, hospitals, residential and commercial areas, or any place where permanent water or high humidity exists.

Technical Properties

Color	White or Grey
Mix Density	1,550 Kg/m ³ approx.
Open time	20 min @ 25°C
Adjustable time	30 min @ 25°C
VOC	<1.0 g/L

Adhesion Strength:	
Initial Adhesion	1.70 N/mm ² @ 28 days
After heating	1.70 N/mm ² @ 28 days
After water immersion	1.10 N/mm ² @ 28 days
After Freeze/thaw Cycle	1.20 N/mm ² @ 28 days
Shear Strength	1.7 N/mm ²
Slip resistance	≤0.5mm
Deformability	≥2.5mm

All values are subject to 5-10% tolerance

Standards Compliance:

- EN 12004 C2T S1
- ISO 13007 C2T S1
- ANSI A 118.4
- BS 5980, Class A Type 1

Application Procedures

Surface preparation:

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean. Rough surfaces are to be evened or filled first with one of repairing products before tilling. Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application. All surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods. Moisten the substrate with clean water.

Gypsum substrate should be primed with ULTRABOND AR. In case of high porous tiles, moisten the backside of tile to eliminate the water absorption from **TILEBOND LM** mix.

Mixing Instructions:

Add **TILEBOND LM** Powder bag (Part A) into the Liquid latex (Part B). Mix until a uniform, lump free consisting mix is achieved. For mixing process, a slow drill (200 – 300 rpm) fitted with a suitable paddle is recommended. Keep the obtained mix for 5 minutes and then remix before application.

Application Instructions:

Spread **TILE BOND LM** adhesive evenly over the substrate using suitable notch trowel, the first pass with its smooth part and the second pass with the toothed part. While adhesive is in a wet state, press and slide the tile at right angles to the notched line of the adhesive to ensure full coverage to tile backs. For large tiles with deep rear keys or patterns (e.g. quarry tiles, terracotta tiles etc) and in order to achieve higher bonding it is recommended to spread the adhesive to the back of tile before placing into the notched pattern of adhesive.

For application on waterproofing membrane, rough surface membrane should be provided to create mechanical bonding with the tile adhesive.

It is recommended that when fixing ceramic tiles, a minimum spacing of 2-4mm be left around each tile (depends on type and size of tile).

Remove excess adhesive from tile surface and joints using damp cloth before the adhesive dry. Joints grouting between tiles recommended after 24 hours of tiling.

Yield/ Coverage

Each kit of **TILE BOND LM** will cover 6 m² at application thickness of 3mm (solid bed) or 10 m² (using notched trowel).

Packaging

TILE BOND LM is available in 30kg kit (25kg powder & 5 Ltr. Latex) for White or Grey adhesive.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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