

TILE MAX

Polymer Modified Thick Bed Floor Tile Adhesive up to 30mm

Description

TILE MAX is an economical, polymer modified thick bed, cementitious tile adhesive specifically formulated to bond a variety of tiles onto rigid floor substrates.

TILE MAX is the best solution when have non-leveled substrate. It is consisting of synthetic polymer, Portland cement, graded silica sand and chemical additives. When mixed with water it forms an extremely versatile tile adhesive suitable for applications up to 30mm bed thickness.

Features & Benefits

- Ready mix, easy to use.
- Water resistant and high bonding properties.
- For internal and external applications.
- Economical
- Environment friendly
- Compatible with different types of cement substrates.
- Suitable for hot weather.

Uses

TILE MAX can be used for internal and external applications for most types of ceramic tiles in dry and wet areas like bathrooms, kitchens, showers, rooms and balconies. It can be used for all kinds of residential and commercial buildings.

It is a general-purpose tile adhesive for fixing large tiles on concrete substrates, floor screeds, cement plaster, renders, foam concrete, . **TILE MAX** is used for bonding ceramic floor tiles, natural stone, mosaics, terrazzo, quarry tiles...etc.

Technical Properties

Appearance	Cementitious powder
Wet Density	1,850 Kg/m ³ approx.
Open time	35 min @ 25°C
Adjustable time	45 min @ 25°C
VOC	<1.0 g/L

Adhesion Strength:	
Initial Adhesion	1.4 N/mm ² @ 28 days
After heating	0.75 N/mm ² @ 28 days
After water immersion	1.1 N/mm ² @ 28 days
After Freeze/thaw Cycle	0.9 N/mm ² @ 28 days
Shear Strength	1.5 N/mm ²
Set for light foot traffic	36-48 hrs
Final hardening	14 days
Water resistance	Excellent

All values are subject to 5-10% tolerance

Standards Compliance:

- EN 12004 & ISO 13007 C1
- EN 12004 & ISO 13007 C2 when mixed with POLYLASTIC
- ANSI 118.4
- EN 1346& 1348
- BS 5980

Application Procedures

Surface preparation:

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean. 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.

Moisten the concrete substrate with clean water before applying **TILE MAX** to reduce the absorption of water from mortar.

Mixing Instructions:

Add **TILE MAX** (25kg bag) into a container of 5.0 - 5.25 Ltr. of clean water or and mix until a uniform lumps free

consistency mix is achieved. For mixing use a slow speed mechanical mixer (200-300 rpm) fitted with suitable mixing paddle. Allow product to settle for 5 minutes then lightly re-stir before use. If product is left undisturbed in external conditions it may thicken, therefore it is recommended to regularly stir during use.

Application Instructions:

Spread **TILE MAX** adhesive evenly over the substrate using notched 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 100% coverage to tile backs. For large tiles 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. It is recommended that when fixing ceramic tiles, a minimum spacing of 2mm 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 may be recommended after 48 hours, be sure that mortar is dry before grouting. In case of high movement/ vibration, it is recommended to replace 50% of mixing water (during mortar preparation) with POLYLASTIC polymer to give flexibility to the dry adhesive.

Yield/ Coverage

Each bag will cover 6 m² in thickness of 3mm using notch trowel consumption depends on surface texture and roughness.

Packaging

TILE MAX is available in 25kg bag 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.

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