

TILE BOND 10

Water-Resistant, General-Purpose Tile Adhesive

Description

TILE BOND 10 is a water-resistant, polymer modified cementitious tile adhesive designed for fixing tiles on walls and floors in both internal and external covered areas. It is a ready to use powder consisting of Portland cement, silica sand, synthetic binder and special chemical additives formulated in a way to obtain high workability and adhesion. It is available in White or Grey colors.

TILE BOND 10 has excellent resistance to water, weather changes, hot climate and environment friendly.

Features & Benefits

- Pre-mix, ready to use.
- Economic. Low cost
- For wall and floor applications.
- excellent workability.
- High adhesion and bond strength.
- Environment friendly
- Compatible with different types of cement substrates.
- Suitable for hot weather.

Uses

TILE BOND 10 is used for internal applications for most types of ceramic tiles for 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 tiles on cement substrates, floor screeds, cement plaster, renders, blocks and bricks. **TILE BOND 10** is used for bonding ceramic tiles on walls and floors.

Technical Properties

Appearance	Cementitious powder
Wet Density	1,550 Kg/m ³ approx.
Open time	20 min @ 23°C
Adjustable time	20 min @ 23°C
VOC	<1.0 g/L

Adhesion Strength:	
Initial Adhesion	0.70 N/mm ² @ 28 days
After heating	0.60 N/mm ² @ 28 days
After water immersion	0.55 N/mm ² @ 28 days
After Freeze/thaw Cycle	0.55 N/mm ² @ 28 days
Shear Strength	>0.90 N/mm ²
Slip resistance	≤0.5 mm

All values are subject to 5-10% tolerance

Standards Compliance:

- EN 12004 & ISO 13007 C1TE
- EN 12004 & ISO 13007 C2T when mixed with POLYLASTIC
- ANSI 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 surface 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 10 mix.

Mixing Instructions:

Add **TILE BOND 10** (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-mix 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 BOND 10** 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 12 hours of tiling for walls and 24 hours for floors, 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.

For large size stone or porcelain tiles (>60cm), **TILEBOND 10** is not recommended.

Yield/ Coverage

A 25 kg bag of **TILE BOND 10** at application thickness of 3mm will cover 5.5 m² (solid bed) or 10 m² (notched trowel).

Packaging

TILE BOND 10 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.



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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