

# TILE BOND 40

## Polymer Modified Adhesive & Grout for Glass and Mosaic Tiles

### Description

**TILEBOND 40** is a high-performance cement based adhesive and grout with no vertical slip and extended open time used for internal and external application for fixing glass, ceramic and marble mosaic tiles. It is a fine white powder composed of hydraulic binder, lime, silica, synthetic resins and special additives.

### Features & Benefits

- Ready mixed, easy to apply just add water.
- Waterproof and Non-sagging properties.
- High freeze/thaw resistance
- For indoor and outdoor applications.
- For walls and floors.
- High workability.
- High adhesion and bond strength.
- Excellent resistance to water and weather changes.
- Suitable for hot weather.

### Uses

**TILEBOND 40** is used as tile adhesive and joint grout in the same application for interior and exterior floor and wall tiles including ceramic, glass and marble mosaic on cementitious renders, concrete and gypsum boards from the top towards the bottom.

**TILEBOND 40** when mix with POLYLASTIC latex diluted with 1:2 water, can be used for installing glass mosaic or ceramic tile on non-absorbent surfaces, installing and grouting glass mosaic or ceramic tiles in swimming pools, fountains or similar structures

### Technical Properties

Appearance	Cementitious White powder
Wet Density	1,600 Kg/m <sup>3</sup> approx.
Open time	25 min @ 25°C
Adjustable time	45 min @ 25°C
VOC	<1.2 g/L

Adhesion Strength:	
Initial Adhesion	1.5 N/mm <sup>2</sup> @ 28 days
After heating	1.0 N/mm <sup>2</sup> @ 28 days
After water immersion	1.4 N/mm <sup>2</sup> @ 28 days
After Freeze/thaw Cycle	1.0 N/mm <sup>2</sup> @ 28 days
Shear Strength	1.7 N/mm <sup>2</sup>
Slip resistance	Excellent
Full Strength	14 days

All values are subject to 5-10% tolerance

### Standards Compliance:

- EN 12004 C2T
- ISO 13007 C2T
- 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.

Gypsum substrate should be primed with ULTRABOND AR. Moisten the substrate to eliminate the water absorption from TILEBOND 40 mix.

#### Mixing Instructions:

Add **TILEBOND 40** bag (20kg) into a container of 4.5 -5 ltr. of clean water 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 **TILEBOND 40** adhesive evenly over the substrate in a thickness of 2-3 mm using 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 100% coverage to tile backs. Remove excess adhesive from tile surface and joints using damp cloth before the adhesive dry. Joints grouting between tiles may be recommended using same material or grouting with colored grout after 24 hours of tiling for walls and 48 hours for floors, be sure that mortar is dry before grouting.

For using of **TILEBOND 40** on gypsum substrates/boards, prime the substrate with diluted **ULTRABOND AR** (1 part Latex : 2 parts water) before applying the adhesive.

### Yield/ Coverage

A 20 kg bag of **TILE BOND 40** will cover 7.5 m<sup>2</sup> at application thickness of 2mm (solid bed) or 12.9 m<sup>2</sup> (using 4mm notched trowel) .

### Packaging

**TILE BOND 40** is available in 20kg bag of White color 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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