

TECHFIN TILE BOND

ADDITIVE FOR TILE ADHESIVE AND GROUT

DESCRIPTION

TECHFIN TILE BOND is a milky white liquid, acrylic latex, polymer emulsion used in combination with cementitious tile adhesives and grouts. The product modifies the system adding improved water resistance and flexibility along with greatly improving the bond strength of the powder product to the substrate. TECHFIN TILE BOND replaces the mixing water when using cement based TILE ADHESIVES and TILE GROUTS in areas where the tiling is to be subjected to very wet conditions or where tiling is to be done onto smooth or "difficult" surfaces.

TYPICAL APPLICATION

- Abattoirs, breweries, hospitals, dairies and food processing areas
- Swimming pools and continuously wet areas
- Tiling onto smooth trowelled walls and floors
- High traffic areas
- Exterior exposed to the elements
- Cold rooms and in areas where extreme temperature changes occur it is added to the mixing water at a ratio of 1:1 and when encountering difficult applications to increase water resistance, bond and flexural strength.

ADVANTAGES

- Versatile
- Increased durability
- Ready to use
- Good chemical resistance
- Excellent flexibility
- Resistance to abrasion
- Increased water resistance of cured product
- Increased workability

- Economical
- Adhesion strength improvement
- Multiple use properties
- Non-toxic

TECHNICAL DETAILS

Appearance	Milky liquid
Specific Gravity	1.0
Coverage	3m ² /L new plaster 2m ² /L old plaster 1L/1Kg Tile adhesive
pH	±8.0
Application Temperature	Substrate: 5 - 30°C Ambient: 5 - 35°C
Cure time	24 hours
Strength	Additional up to ± 5-8MPa depending on system
Shelf Life	± 6 months

PACKAGING

TECHFIN TILE BOND is supplied in 5L and 25L drums. On special requests 200L bulk drums may be supplied.

COMPOSITION

TECHFIN TILE BOND is a milky white liquid dispersion of polymerized latex in an aqueous emulsion. Ready to use and combined with cement mixtures greatly improves the properties of such mixtures.

STORAGE CONDITIONS

Ensure to store the TECHFIN TILE BOND in a cool dry place away from extreme temperatures. Failure to comply with the recommended storage conditions may result in premature deterioration of the product and the packaging.

DIRECTIONS

Replace the mixing water with the TECHFIN TILE BOND when tiling in areas that will be subject to very wet conditions or on surfaces that appear smooth or difficult to tile onto. In areas where extreme temperature changes are experienced such as underfloor heating, replace 50% of the mixing water with TECHFIN TILE BOND to give added flexural and bond strength.

TECHFIN TILE BOND is generally added to the clean mixing water within the range of 1:1 by volume depending on the system design. Application of tile adhesive mixtures are then carried out with the aid of a notched trowel onto the substrate surface accordingly to the directions of the Tile Adhesive in use. TECHFIN TILE BOND may be used to completely replace water in the mixture for high performance applications such as bonding granite, marble, travertine and porcelain tiles.

WATCH POINTS

- Cement based products will dry a shade darker and setting times will be extended \pm 12 hours with the addition of TECHFIN TILE BOND.
- The above dosage rates are a guide only. It is the contractor's / user's responsibility to ensure that all the materials to be used are compatible and further that they meet the concrete design criteria and specification requirements of the structure.
- Concrete mix design tests should be carried out prior to commencement of the work.
- Clean the face of tiles before adhesive / grout hardens.
- Do not ingest and keep away from children and pets.
- Do not empty into drains.

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