

ConTile Bond

High Performance Cementitious
Polymer Modified Tile Bond

DESCRIPTION

ConTile Bond is a single component, high performance grey colored, pre-packed Tile Bond mortar combining cement with selected grades of sand and several admixtures. It's ready to use and only requires addition of water.

USES

ConTile Bond is used for fixing all types of ceramics, porcelains, marbles, granites and decorative claddings on interior/exterior walls and floors, as well as swimming pool tiling applications. It provides strong adhesion to cement/sand screeds, to in-situ/pre-cast and aerated concrete, and brickwork.

ADVANTAGES

- Ready to use, only mixing of water required.
- Suitable for indoor and tile on tile applications.
- Good workability, therefore easy to apply.
- Excellent bond
- Low shrinkage
- Excellent tensile strengths
- Good Pot life
- Needs no curing
- Safe & easy to use
- Sufficiently flexible to accommodate physical and thermal movements.
- Soaking of tiles not required
- Resistant to frost and permanent water immersion.
- Suitable for swimming pools and cold storage rooms.

TECHNICAL DATA:

Appearance	Grey Powder
Packaging	20 Kgs.
Density Dry Powder	1.6 Kg./- Liter
Density Mixed	1.95 Kg./- Liter
Store Conditions	Store in cool & dry place
Mixing Water	4.5-5 Liters/- Bag
Water absorption	1-2 %
Pot Life	2-3 Hours at 30 ⁰ C
Adjustment Time	5-7 Hours
Thickness of application	3-5 mm (depending on tile-thickness)
Coverage	3.4 m ² @ 3 mm
Coverage	2.0 m ² @ 5 mm
Foot Traffic	24 Hours
Application Temperature	+5 to +40 ⁰ C
Resistance to Alkalis	Excellent
Resistance to Solvents	Excellent
Temperature Resistance From	-25 ⁰ to +90 ⁰

STANDARDS COMPLIANCE

ConTile Bond meets the requirements of IS 15477:2004 Type I "Specifications for adhesives for use with ceramic tiles and mosaics."

APPLICATIONS:

Surface Preparations:

The surface to be tiled should be clean and sound. Old surfaces should be free of dust, grease, dirt, loose plaster, laitance, curing compound, paint etc.

Mixing & Placing:

Mix 20 Kg. bag in approximately 5-6 liters of fresh clean water. At site addition of water shall be adjusted to attain desired consistency.

Mix with electric fitted trowel or hand unit until a lump free homogeneous paste is obtained. Always mix the required quantity, which can be consumed within the prescribed pot life.

Spread the mixed adhesive to a thickness of 3-6 mm and comb with a notch trowel. Strictly apply the adhesive paste which can be tiled within 15-20 minutes. Keep joints between two tiles using spacers. Allow tiling to set for 24 hours and start filling joints next day with RADIANT ConTile Grout. After grouting clean and polish tiles with a damp sponge or cloth.

LIMITATIONS:

For vertical application, it is necessary to conduct application test for fixing of ceramic which size larger than 20 x 20 cm or on application of certain type of ceramic.

Not recommended for tiling of facades and power floated surfaces.

If any doubt arises concerning temperature or substrate conditions, consult RADIANT technical team

PACKAGING:

ConTile Bond is available in **20 Kgs. bag**

HANDLING & STORAGE:

ConTile Bond has a shelf life of 12 months if kept in a dry cool place in the original packing.

HEALTH & SAFETY PRECAUTIONS:

Where temperatures is less than 5⁰ C or greater than 40⁰ C are encountered, contact our Technical Staff. ConTile Bond, is of low hazard. Protective gloves, goggles and clothing should be worn. Any contact with eyes or skin

should be washed off with soap and clean water. Where this occurs, seek medical advice before continuing use.

TECHNICAL SERVICES:

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

Important Note:

RADIANT Construction Technologies manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.