



Tile Adhesive Plus

High performance tile fixing adhesive for external flooring, internal wall/flooring and tile-on-tile applications

Product composition: Tile Adhesive Plus is a ready mixed polymer modified cement based powder which is multi-purpose tile adhesive. It provides outstanding bonding of tiles with cementitious surfaces like plaster, concrete etc. Tile Adhesive Plus is non-shrinking, self curing and has brilliant binder properties.

USP

Features	Benefits
Usability	Ready to use option – only water to be added
Bonding	Better bond than conventional cement based mortar
Cohesiveness	Non-sagging
Strength	Good mechanical strength
Shrinkage	Non-shrinking
Curing	Self-curing
Waterproofing	Provides partial impermeability of water into concrete

Usage area

For fixing all types of tiles such as external flooring, internal flooring/walls, tile on tile and swimming pool tiling applications.

DIRECTIONS FOR USE

The surface to be tiled should be clean and sound | Old surfaces must be free from any kind of laitance, grease, oils, wax, polish etc. | Pour one 20 Kg bag in approx. 6.5 ltr of clean water (recommended proportion approx. 3:1 of Tile Adhesive Plus : Water) | At site, addition of water should be adjusted to attain desired consistency | Do not put water into the powder | Mix with a slow speed drill (50–100 rpm) or with a trowel until a lump-free homogeneous paste is obtained | Always mix the required quantity, which can be consumed within the specified pot life maintaining the aforementioned mixing proportion | Spread the mixed adhesive to a thickness of approx 3-6 mm and comb with a notched trowel | Apply the adhesive paste which can be tiled within 25-30 minutes | Intermittently touch the adhesive paste on substrate by finger | If the adhesive sticks to fingers then continue tiling and if not, scrape off the mix and apply new coat before further tiling | Start placing tiles on the surface to be tiled | Tap the tiles properly to ensure complete coverage of the backside of tiles and to eliminate the possibility of any air voids | Keep joints between two tiles using spacers that are available with Tile Adhesive Plus bag | Allow tiling to set for 24 hours prior to filling joints | Use mechanical clamps for holding the heavy stones in positions on vertical surface | Before applying tiles on tiles, make sure that the original tiling surface has been scraped off to provide a sufficient mechanical key for bonding.

Mixing ratio: Tile Adhesive Plus : Water = Approx. 3 : 1 (by vol.)

Usage precautions: Always add Tile Adhesive Plus directly to water, vice-versa is not recommended. Do not use for vertical cladding of heavy tiles. Do not add more water than recommended. Do not add cement or sand at site. Before executing tile-on-tile application, ensure that the original tiling surface is in sound condition and has enough roughness to provide the required mechanical key for bonding. Avoid application on glazed/ceramic tiles. Strictly not recommended for the direct use on gypsum plaster, paint, wood and metal.

TECHNICAL DATA

Properties	Specifications
Appearance	Cementitious grey powder
Open time @ 30°C	Around 30 minutes
Pot life @ 30°C	Approx 2 hours
Time for heavy traffic	Around 24 hours
Final curing time @ 30°C	14 days
Wet density	Around 1.6 gm/cc

PRODUCT INFORMATION

1	Shelf life	Best before 12 months from the date of manufacturing in unpacked condition.	5	Coverage	Approx. 50-55 sq ft/ 20 Kg bag at 3 mm thickness.
2	Storage	Store in cool and dry place.	6	Health and Safety Precautions	While using Tile Adhesive Plus use rubber gloves, dust mask and safety goggles.
3	Packs	20 Kg and 30 Kg	7	Compression Strength, 28 days (ASTM C579 - 2001)	Around 10 N/mm ²
4	Tensile Adhesion (Both dry and wet) (As per IS - 15477 : 2004)	> 2000 Newton @ 14 days.	8	Flexural Strength, 28 days (ASTM C580 - 2002)	Around 5.0 N/mm ²

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