

T09 White Adhesive



CEMENTITIOUS POLYMER MODIFIED TILE / STONE ADHESIVE

Description

Roff White Adhesive is a blended polymer modified white cement based Tile /stone adhesive with improved strength. It provides durable adhesion to Tile /stone fixed in water immersed & high temperature conditions.

Areas of Application

For fixing all types of Tile /stone on internal wall/floor, external floor, shower, restaurants & kitchen.

Features & Benefits

- Crack free, breakage free & firm surface that preserves beauty of tiling for longer time
- Water resistant characteristics
- Ready to use, needs no curing
- Excellent adhesion with low shrinkage
- Sufficiently flexible to accommodate thermal & physical movements
- Quick tiling benefits for contractors & consumers in terms of time saving

Method of Application

FLOOR

Surface Preparation

- The surface should be sound, clean and free from dirt, oil or grease before **Roff White Adhesive** is applied.
- Expansion joints coinciding with joints in the substrate should be incorporated at the design stage with spacing at 5 meters maximum & it is not to be covered with tiles.
- Movement joints up to 5 mm width & wider joints to be filled with suitable joint fillers.
- The surface must be plumb before application of adhesives.
- The surface must be in SSD condition before application of adhesive.

Mixing

- Take 6 to 7 litres of water in a clean & dry vessel (W/P = 0.30 to 0.35), gradually start addition of 20 kg **Roff White Adhesive** under continuous stirring to a uniform lump free consistency, soft & smooth paste using a forced action mixer attached with paddle stirrer for 3 - 5 minutes.
- Allow it to mature for 3 - 5 minutes.
- Hand mixing is recommended for small quantities only.
- Mix the quantity, which can be used within 30 minutes.

Fixing

- Spread the adhesive to a thickness of approx. 3 - 6 mm and comb with a notched trowel strictly apply the adhesive paste which can be tiled within 5 to 15 minutes.
- Intermittently touch the adhesive paste on substrate by finger if the adhesive sticks to fingers then continue fixing and if not scrape off the adhesive and apply newly mixed adhesive.
- Start placing the Tile /stone on the surface to be fixed. Tap the Tile /stone properly to ensure complete coverage of the backside of Tile /stone and to eliminate the possibility of any air voids.
- Keep joints between two- Tile /stone using spacers.
- Start filling joints only after 24 hrs. with **Roff Rainbow Tile Mate**.

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WALL

Surface Preparation

- The surface to be tiled should be sound and thoroughly cleaned.
- Surface should be free from wax, grease, polish etc.

Mixing

- Add 3 - 3.5 parts of powder to 1 part of water.
- Mix with a trowel / slow speed drills (50 - 100 rpm) until a lump free homogeneous paste is obtained.
- Always mix the required quantity, which can be consumed within 30 min. pot life.

Fixing

- Spread the adhesive to a thickness of approx. 3-6 mm and comb with a notched trowel strictly apply the adhesive paste which can be tiled within 5 to 15 minutes.
- Intermittently touch the adhesive paste on substrate by finger if the adhesive sticks to fingers then continue fixing and if not scrape off the adhesive and apply newly mixed adhesive.
- Start placing the Tile /stone on the surface to be fixed. Tap the Tile /stone properly to ensure complete coverage of the backside of Tile /stone and to eliminate the possibility of any air voids.
- Keep joints between two- Tile /stone using spacers.
- Start filling joints only after 24 hrs. with **Roff Rainbow Tile Mate**.

Precautions & Limitations

- For laying Tile /stone on floor, surface should be sufficiently hard & good condition.
- Always add powder to water & never add water to powder.
- Do not add excess water than recommended.
- Never add sand & cement at site in factory packed adhesive.
- Strictly not recommended for fixing on gypsum plaster, paint, wood & metal.
- Do not use for vertical cladding of heavy stone. Start from down to up.

Technical Information

Appearance	:	White free flow powder.
Mix ratio	:	Approx.1 part water : 3 - 3.5 part Powder.
Open time	:	Approx. 5-15 minutes @ 27+/-2°C.
Adjust-ability	:	5 mins (minimum) @ 27+/-2°C.
Pot life	:	30 mins (minimum) @ 27°C.
Traffic-able time	:	24 hrs

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Shear Adhesion Strength (kN)

Tile bonded with adhesive after 24 hrs. @ 27 +/- 2°C	:	5.0 kN (min.)
Tile bonded with adhesive after 14 days air curing @ 27 +/- 1°C	:	9.0 kN (min.)
Tile bonded with adhesive after 7 days + 7 days water immersion	:	5.0 kN
Tile bonded with adhesive after 7 days + 7 days at 100°C heat aging	:	5.0 kN

Coverage

- 4.5 - 5.0 Sq. m./ 20 Kg Bag at 3 mm thickness
- 2.0 - 2.5 Sq. m./ 20 Kg Bag at 6 mm thickness

Packaging

20 & 50 kg

Shelf Life

- Factory sealed containers of this products are guaranteed to be of first quality for one (1) year.
If stored off the ground in dry area.
- High humidity will reduce the shelf life of bagged products.

Other Product Categories Available

Roff has wide range of products which includes,

- Tile Fixing Products
- Waterproofing
- Admixture
- Flooring
- Grouts
- Repairs
- Sealants.



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