

T02 Non-Skid Adhesive (NSA)



CEMENTITIOUS POLYMER MODIFIED TILE ADHESIVE

Description

Roff Non-Skid Adhesive gives excellent bond on cementitious surfaces like, concrete, plaster, etc. It forms a waterproof barrier between two surfaces and has excellent 'grab' properties. This is an ideal product for Tile-on-Tile applications.

Standard Compliance/ Specification

Confirms to IS:15477-2004 (Type - II)

Areas of Application

For fixing all types of tiles on internal wall/floor, external floor & tile on tile applications.

Features & Benefits

- Ready to use, needs only mixing with water
- Excellent adhesion, low shrinkage
- Suitable for indoor and tile on tile applications
- Sufficiently flexible to accommodate physical & thermal movements
- Needs no curing, needs no hacking or mechanical key on the surfaces
- Floors can be used after 24 hours
- Soaking of tiles & backing of surface not required

Method of Application

- The surface to be tiled should be sound and thoroughly cleaned. Old surface should be free from wax, grease, polish etc.
- Add 3 to 3.5 parts of Roff NSA Powder to 1 part of water. At site, addition of water shall be adjusted to attain desired consistency. Do not put water into the powder. 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 the prescribed pot life adopting the mixing proportion mentioned above.
- Leave the mixture for 5 min. before using.
- 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 with in 10 to 15 mins.
- Intermittently touch the adhesive paste on substrate by finger. If the adhesive sticks to fingers then continue tiling and if not scrape off the adhesive and apply new coat.
- Start placing the 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 Tile Spacers
- Allow tiling to set for 24 hours and start filling joints next day with Roff Rainbow Tile Mate.
- After grouting clean and polish tiles with a damp sponge or cloth. To remove Hard Stains use Roff Cera Clean.

Precautions & Limitations

- Always add powder to water and not water to powder.
- Do not add more water than recommended.
- Do not add sand or cement at site.
- Before doing tile-on-tile application, ensure that the original tiling surface is in sound condition.
- In case of undulations in the existing floor, rectify the same before applying Roff Non-Skid Adhesive.
- Strictly not recommended for the direct use on gypsum plaster, paint, wood & metal.

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Technical Information

Appearance	:	Cement Grey Powder
Mix ratio	:	Approx. 3 - 3.5 : 1 (by vol.)
Open time	:	Approx. 10 - 15 minutes at 30°C
Pot life	:	approx. 60 - 90 min. at 30°C
Adjustability in Mins.	:	5 - 10 mins.
Coverage	:	5 - 5.5 sq. mtr. / 20 Kg Bag at 3 mm thickness 2 - 2.5 sq. mtr. / 20 Kg Bag at 6 mm thickness 7 - 7.5 sq. mtr. / 30 Kg Bag at 3 mm thickness 3 - 3.5 sq. mtr. / 30 Kg Bag at 6 mm thickness
Trafficable time	:	24 hrs (max.)
Curing time	:	14 days at 30°C
Temperature Resistance	:	4°C to 45°C
Tensile Adhesion (14 days - Air Curing)	:	1.3 kN
VOC (gm/ ltrs)		
(IS : 101 (part-2/sec-1)/ 1988 & (part-2/sec-2)/ 1986)	:	0.1485
Shear Adhesion Strength (kN)	:	I. S. 15477:2004 for Type 2 a) At 24 hrs. in normal drying condition - 4 kN b) At 14 days in normal drying condition - 10 kN c) At 14 days in heat ageing condition - 5 kN d) At 14 days in wet condition - 5 kN

Test	Composition2	Composition3	Composition4
	Single coat RBR (B. No. - SE 2430) applied over Heavy Duty Board + 6 mm Notching NSA + Vitrified Tiles	Roff NSA applied over Heavy Duty Board + 6 mm Notching (3 parts NSA + 0.5 parts RBR + 0.5 parts Water) + Vitrified Tiles	Single coat RBR applied over Heavy Duty Board + 6 mm Notching (3 parts NSA + 0.5 parts RBR + 0.5 parts Water) + Vitrified Tiles
Shear Adhesion Test After 48 hrs.	4768 N	11764 N	18570 N

Shelf Life : 12 months pack sealed and stored in damp proof conditions

Packaging

20 Kg & 30 Kg



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