



RAZON



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Tile Fix #A1 (High performance Tile and Stone Adhesive)

Razon Tile Fix #A1 is most versatile thin and medium bed tile adhesive for high performance indoor and out door tiling applications.

Extra high content of polymer in tile adhesive ensures excellent and tough bonding, high strength, for vertical and horizontal, external and internal tiling applications. It is grayish in colour.

Tile Fix #A1 has low maturing time of 5-10 minutes, commencing from the time Tile Fix 1A is added to water and mixing is initiated. Pot life of 45 minutes at 20°C is available once Tile Fix #A1 is mixed with water. Tiles must be applied and fixed in its place within this period.

Tile Fix #A1 has high wetting ability to wet most substrate including plywood, concrete, AAC blocks or plaster as well as tile surface, to ensure very good bonding.

Standards

Adhesion strength and shear strength confirm to EN 1324:2007, EN 12003:1997 & EN 1348:2007 respectively. Tile Fix #A1 confirms to IS 15477 Type - 2 Adhesive.

Tile Fix #A1 is used for vitreous, ceramic, glass tiles, porcelain tiles, natural stones & tiles. Tile Fix #A1 is ideal for dense and large dimension tiles (slabs) where background and location is especially demanding.

Performance

Test	Result	Limit & Reference
Water Demand	24%	-
Adjustability	15 minutes	IS 15477:2004
Shear Strength 24 hrs	5.43 kN	4.0 kN (IS 15477:2004)
Shear Strength 14 days dry	12.26 kN	10.0 kN (IS 15477:2004)
Shear Strength 7+7 days wet	15.00 kN	5.0 kN (IS 15477:2004)
Pull off test 14 days Dry	1.10 N/mm ²	Min. 0.168 N/mm ² (BS – 5980)
Pull off Test 14 days on un-hacked RCC surface	3.26 N/mm ²	ASTM D 4541
Pull off Test 14 days on un-hacked AAC Block surface	1.66 N/mm ²	ASTM D 4541

Method of Use

Clean the substrate which is to receive Tile Fix #A1 thoroughly. Ensure it is free from oil, grease, loose material, laitance, etc.

Add Tile Fix #A1 to water till paste of desired workable consistency is obtained. Ideally 4.5 litres – 4.8 litres of water is required for mixing 20 kgs of Tile Fix #A1. Allow the paste to mature for 5-10 minutes after mixing with water, use it within its specified pot life.

Apply Tile Fix#A1 with a straight edged trowel, of desired thickness between 2 mm to 15 mm on firm, sound and clean substrate for placing tiles over this adhesive bed. Use thickness of 8-10 mm on porous substrates & lower thickness

of 4-6 mm for dense substrates like concrete. Comb it with a notched edge trowel. The tiles are placed on adhesive bed with a twist and slide motion. Press or tap lightly into level with surrounding tiles. A layer of Tile Fix #A1 may also be applied on Tiles using notch trowel, if required. The tiles must be placed into its final position within specified pot life. Open time & pot life are a function of ambient temperature & relative humidity. Allow 24 to 48 hours for the adhesive to strengthen.

After tiling work use Razon Tile Joint Sealer (available in standard shades & Epoxy Base) as a high strength grout to fill in spacer gaps between tiles.

Product Data

No	Property	Attributes
1.	Consistency & Colour	Free flowing grey powder
2.	Specific Gravity	2.20 ±10%
3.	Shelf life	6 months from date of manufacture. Store in sealed bags in a cool & dry place away from direct sunlight.
4.	Pot Life	45 minutes at 20 ⁰ C
5.	Packing	20 kgs, hermetically sealed polyethylene and HDPE woven double bags.

It is strongly recommended that site trials be conducted using site conditions and available raw materials to evaluate the product. Since site materials and conditions are beyond our control and since above suggestions and recommendations are based on our site trials and laboratory product evaluation & trials, and since methods of use at site are beyond our control. Hence, no guarantee can either be implied or enforceable. All Razon datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.



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