



HIND FIX TA

PRODUCT DATA SHEET

HIGH POLYMER MODIFIED ADHESIVES FOR USE WITH CERAMIC TILES AND MOSAICS

DESCRIPTION

Hind Fix TA is single component ready mix cement and high polymer modified tile adhesive conforming to **IS: 15477-2019, Type 2** and also conforms to **ANSI A 118.4, EN 12004 & ISO 13007**. It is also certified as a green product by **Indian Green Building Council (IGBC)**.

USES

For the permanent fixing of all sizes and types of ceramic tiles/marble, vitrified/fully vitrified tiles, dense and large dimension tiles (slabs), and where background and location is especially demanding. It has a High Shear Adhesion Strength which makes this product to be used in wet areas like swimming pools, fountains, toilets, bathrooms, kitchens and wash areas.

ADVANTAGES

- Easy to use, single component, only water to be added.
- Low viscosity, extended open time and adjustability time.
- Excellent water proofing characteristics.
- Self-curing, Perfect bonding and adherence to all materials used for building.
- High Shear Adhesion strength.
- Usable on a wide range of surfaces except wood, metal, rubber, PVC and Linoleum.

APPLICATION

Surface/Substrate Preparation

All surfaces should be sound, clean and free from any contamination like grease, oil, loose particles etc. before application, the surface and tiles should be pre wetted properly.

Mixing

1 Kg. 'HIND FIX TA' - Type 2 is added to **200-250 ml** of **Water** gradually (**Powder : Water Ratio :: 1: 0.20 to 0.25**) and mixed manually or by a slow speed drill fitted with a stirrer, until a lump free pasty consistency is achieved.

Placing & Fixing

The mixed paste obtained is to be spread to uniform thickness of 2mm/3mm on the substrate by using notched trowel having a notching angle of 45⁰ to the surface. Tiles are placed firmly on the surface ensuring good contact with twisting action. Only required quantity of material to be mixed so that it is consumed within one hour from the time of addition of water to the powder. If the paste dries up due to excessive delay in placing tiles, the dried up material to be discarded and fresh paste to be applied by constant tampering to ensure that all voids are filled in. Powder should be added to water and not vice versa.

COVERAGE

5.0 Sq. Mtr. per 20 Kg Bag for 3mm mortar thickness. Coverage may vary depending on the trowel notch size, type and size of the tile and the nature of the substrate.

PROPERTIES

Aspect	Grey & White Powder
Mixed Density	1.65 to 1.75 Kg/ Ltr.
Powder: Water Ratio	1: 0.2 to 0.25
Open Time as per IS 15477: 2004 (Annex - C)	> 20 minutes
Adjustability as per IS 15477: 2004 (Annex - D)	> 20 minutes
Time for Heavy Traffic	15-24 hours
Volatile Organic Content (VOC)	11.22 gm/Lit

PERFORMANCE PROPERTIES

NAME OF TEST	TEST METHOD	RESULTS
Shear Adhesion Strength for Type 2 adhesive (Dry Condition)	IS: 15477-2004 (ANNEX – B)	5.02 KN (4.0 KN Min. after conditioning) 24 hours under laboratory condition
		11.35 KN (10 KN Min. after conditioning) 14 days under laboratory condition
Heat Ageing (for 7 days at Normal Laboratory Condition + 7 days storage in oven at a temperature $100^0 \pm 2^0$ C)	IS: 15477-2004 (ANNEX – B)	5.92 KN (5.0 KN Min.) 24 hours under laboratory condition
Wet Condition (for 7 days at Normal Laboratory Condition + 7 days immersion in water at Laboratory temperature)	IS: 15477-2004 (ANNEX – B)	6.54 KN (5.0 KN Min.)

SHELF LIFE

Best before 12 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2^0 C (Min.) and 50^0 C (Max.).

PACKING

20 Kg. in Poly lined HDPE bags or as required.

HANDLING PRECAUTION

Hind Fix TA is non-toxic and ingestion is to be avoided. If contact with eyes occurs, wash well immediately with water and seek medical advice

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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