

HIND FIX TA TYPE-3

HIGH POLYMER MODIFIED ADHESIVES FOR INTERIOR
AND EXTERNAL WALL & FLOOR BOTH



DESCRIPTION

Hind Fix TA Type-3 is High Polymer modified multipurpose, excellent thin-set tile adhesive offering vast utility including applications on Interior floor & wall as well as limited Exterior floor & wall installations. It is a cementitious thinset powder to be mixed only with water to install various types of tiles & stone on variety of substrates using thinset method of installation upto a height of 3 Mtrs. It conforming to **IS: 15477-2019, Type 3** standards 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)**.

AREA OF APPLICATIONS

Hind Fix TA Type-3 is designed especially for dry are Designed especially for interior floor and wall as well as limited Exterior Floor and Wall installations of all types of Ceramic tiles, Vitrified tiles, semi-vitreous tiles, Glass mosaic tiles, precast terrazzo and Natural stones over concrete and a variety of substrates like Concrete & Concrete Masonry , VDF / Tremix Concrete , Cement Mortar Beds , Cement Plaster , Ceramic tiles, Vitrified Tiles, Natural Stones, Glass mosaic tiles, Brick Masonry & Cement Backer Board **. **Hind Fix TA Type-3** is recommended for Wet areas like Swimming pools, Sauna, Water bodies and washrooms, fountains, toilets, and all wash areas due to its High Underwater Shear Adhesion Strength. It can also be used as slurry bond adhesive in Wet-on-Wet applications, tile on tile applications.

ADVANTAGES

- Easy to use, single component, only water to be added.
- Low viscosity, extended open time and adjustability time.
- Excellent water proofing characteristics.
- Internal and External Wall & Floor Application.
- Self-curing, Perfect bonding and adherence to all materials used for building.
- High Shear Adhesion strength and Water & Shock resistant.
- Usable on a wide range of surfaces except wood, metal, rubber, PVC and Linoleum.
- Can be used upto 12mm bed thickness.
- Complies with EN / ISO with a C2TE classification.
- Exceeds IS 15477:2019 – Type-3 T Adhesive standards.
- Long working time.
- Good mechanical strength.

SURFACE PREPARATION

All surfaces should be in between 40° F(4°C) and 104° F(40°C) and structurally sound, clean and free from any contamination like grease, oil, loose particles, laitance, concrete sealers or curing compounds etc. Prior to application check the surface to plumb and true to within ¼” (6mm) in 10 ft.(3m). Rough or uneven concrete surfaces should be made smooth with **Hind Plast- IWA** Screed / Plaster material to provide a wood float (or better) finish. For New concrete slabs shall be damp cured and 28* days old before application.

Before application, the surface should be on SSD (Surface Saturated Dry) conditions and tiles should be pre wetted properly. **Hind Fix TA Type-3** is to be mixed with water in the ratio of 1: 0.25 to 0.30 parts by weight and stir till a smooth paste is obtained. Allow the paste to stand for 4 to 5 minutes and stir again. Spread the paste on the surface to a uniform thickness of 3 to 4 mm. With a notched trowel to remove any trapped air, place the tiles firmly into position by twisting action. Excess adhesive is to be removed by using damp cloth. Powder should be added to water and not vice versa.

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Please note that Expansion joints don't cover with thin set mortar. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate.

COVERAGE

5-6 Sq. Mtr. per 20 Kg Bag by using 1/4 x 1/4 (6mm x 6mm) 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.

MIXING

Mix approx. **0.25 – 0.30 Ltr.** clean & potable Water with **1 Kg** of **Hind Fix-TA Type-3** into a clean bowl. Water can be reduced or increased slightly to achieve desired consistency. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow adhesive to slake for 5 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

GROUTING

Mix Grouting should not be carried out for at least 24 hours. Use the appropriate grouting material from the range of cementitious and epoxy grouts. Grout installation shall be commenced after a minimum of 24 hours curing time at 70°F (21° C) Grouting should be carried out after 24 hours.

PROPERTIES

Aspect	Grey & White Powder
Wet Density	1.75 Kg/ Ltr.
	1750 Kg/m ³
Powder: Water Ratio	1: 0.25 to 0.30
Open Time as per IS 15477: 2004 (Annex - C)	> 30 minutes
Pot Life at 21°C	Approx. 4 hours
Adjustability as per IS 15477: 2004 (Annex - D)	> 30 minutes
Time for Heavy Traffic	15-24 hours
Volatile Organic Content (VOC)	11.22 gm/Lit

PERFORMANCE PROPERTIES (for HIND FIX TYPE-III ADHESIVE)

Sl.No.	PROPERTIES	TEST METHOD / STANDARD	SPECIFICATION / REQUIREMENT	OBSERVED VALUE / RESULTS
1	Shear Adhesion Strength (Wet Conditions)	As per IS 15477 : 2019	1.00 N/mm ² (Min)	1.20 N/mm ²
2	Shear Adhesion Strength (Dry Conditions)	As per IS 15477 : 2019	1.50 N/mm ² (Min)	1.60 N/mm ²
3	Shear Adhesion Strength (Heat Aging Conditions)	As per IS 15477 : 2019	1.00 N/mm ² (Min)	1.15 N/mm ²
4	Tensile Adhesion Strength (Wet Conditions)	As per IS 15477 : 2019	1.00 N/mm ² (Min)	1.15 N/mm ²
5	Tensile Adhesion Strength (Dry Conditions)	As per IS 15477 : 2019	1.50 N/mm ² (Min)	1.60 N/mm ²
6	Compressive Strength	As per IS 15477 : 2019	5 N/mm ² (Min)	18 N/mm ² at 7 days
				22 N/mm ² at 28 days
7	Slip resistance	As per IS 15477 : 2019	≤0.5mm	0.35-0.45 mm
		Annex E (Clause 5.5)		

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Please Note: Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site condition.

LIMITATIONS

- Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes.
- Suggested not apply directly over particle board, plywood, chipboard, hardwood floors, decorative laminates or resilient flooring.
- Use white mortar for white or light-colored marble/stone.
- For installations over Exterior Grade plywood walls use with Hind PU Master-flex.
- Adhesives, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes.

When a waterproof membrane is required, Use **Hind Crete-Plus WPM / Hind Hydrolast 2K / Hind Crete-Plus WPM (E)** as Waterproof Membrane when it is required.

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°C (Min.) and 50°C (Max.).

CLEANING

Cleaning of Tools and Tile work to be done with Wet Cloth / Sponge when the adhesive is still green.

PACKING

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

HANDLING PRECAUTION

Hind Fix TA Type-3 is non-toxic and ingestion is to be avoided. If contact with eyes occurs, wash well immediately with water and seek medical advice.

IMPORTANT NOTICE :

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 behaviour 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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