



RAZON ENGINEERING COMPANY PRIVATE LIMITED

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AN ISO 9001-2008 COMPANY

Tile Fix EPB

Tile Fix EPB is resinous polyamide formulation tile adhesive, comprising of accurately factory blended resin and mortar with calculated quantity of Hardner.

The factory blended mortar comprising of proprietary graded aggregates are blended in special mixer under controlled environment and temperature eliminates air and moisture entrapment in the mortar, which is a serious cause of strength loss. Exactly proportioned mortar and hardener is packed and sealed in ready to use container which merely need to be mixed at site and applied.

The mix is allowed to mature for 10-15 minutes. Open time of 30-40 minutes after mixing is available. The mortar must be used within this open time. The tiles must be placed into its final position and leveled within this period. Tile Fix EPB is very high strength and high bond strength tile adhesive, light human traffic is feasible after 24-36 hours, full strength is achieved after 7 days.

Tile Fix EPB is used for vitreous tiles, ceramic tiles, most natural porous tiles, most of natural stones cladding. It can be used on porous or non porous firm substrates, such as metal, glass, wood, concrete; also can be applied on vibrating surface; also on vertical, horizontal or ceiling areas external or internal.

Method of use:

Clean the substrate which is to receive Tile Fix EPB thoroughly. Ensure it is free oil, grease, rust/ metallic oxides, any other loose material, laitance etc., On firm sound substrate Tile Fix EPB may be applied.

Mix the mortar in its container, empty out entire contents of hardner bottle into the mortar and mix thoroughly until uniform consistency paste is obtained. The mix is allowed to mature for 5-10

minutes, Open time of 30-45 minutes after mixing is available. The mortar must be used within this open time. Tiles must be put in its final position and leveled within this period.

Apply Tile Fix EPB on the surface with straight edge metallic trowel upto desired thickness, comb it with notched edge trowel, place the tile in its position with twist and slide motion, press it or tap it lightly to level it with surrounding tiles.

For facade, Tile Fix EPB may be applied on tiles/ slabs and pressed on to the surface with suitable props to hold it in its position for a period of 10-12 hours, wherein the mortar sets hardens and strengthens. The props may be removed within 12-24 hours.

Joints may be grouted with Tile Joint Sealer-EPB after 24-36 hours. Tile Joint Sealer EPB is available in shades as per shade card, in 1kg, 5 kgs, 10 kgs handy packs.

Setting of poly amide resin is temperature dependent, for higher the ambient temperatures faster stiffening and setting will be observed and vice versa.

Tile Fix EPB is the ideal adhesive for external facades of IT companies, prestigious hotels and offices, commercial complexes etc. It is meant for bonding large slabs of granite or other natural stones to smooth surfaces.

Tile Fix EPB is specifically developed for external façade and internal areas such as lobbies, common areas, passages of elite residential or commercial complexes without any hassle. It is also used for bonding slabs of exposed aggregates concrete for façade, and provides an extremely long life as compared to conventional methods.

It is without doubt the best adhesive for its purpose.

Product Data

S/N	Property	Attribute
<u>Mortar</u>		
1.	Consistency	White sticky paste
2.	Specific Gravity	2.25 ±15%
3.	Shelf life	1 year in its original container unmixed with hardner. Must be kept in cool dry place away from direct sunlight.
<u>Hardner</u>		
1.	Consistency	Amber coloured viscous fluid
2.	Specific gravity	1.2±15%
3.	Shelf life	1 year if unmixed stored in cool dry place away from direct sunlight.
<u>Mixed Mortar</u>		
1.	Consistency	Sticky Resinous Mortar
2.	Specific Gravity	2.25 +/- 15%
3.	Shelf Life	1 year in its original container unmixed with hardner. Must be kept in cool dry place away from direct sunlight.
<u>Mortar Hardner Mix</u>		
1.	Maturing Time	10-15 minutes after mixing Mortar + hardner as per proportions
2.	Pot Life	30-45 minutes at 20°C
3.	Hardening Time	3-4 hours at 20°C. Light Traffic permissible after 12 hours.
4.	Setting Time	Full Cure within 7 days
5.	Product Standard	EN 12004
6.	Classification	R-2
7.	Adhesion Strenght	> 2 N/mm ²

OTHER PRODUCTS

CEMENT ADMIXTURES:

⊙Superplasticizer cum retarder for RMC⊙Admixtures for PQC⊙Accelerators & retarders for shotcrete⊙High Early strength precast admixtures⊙Plasticizers for concrete⊙Accelerators for concrete⊙Accelerators + curing admix for Precast⊙Crush Sand plaster Admixtures⊙Old-new matrix Cement binders⊙Superior ultimate strength concrete admixtures⊙Non shrinking grouts/admixtures⊙Cold climate concreting admixtures⊙Air entraining Admixtures⊙Self Curing Concrete Admixtures

BAR GROUTS:

⊙Epoxy re-bar grout⊙Self leveling foundation bolt grout⊙High early strength bolt grouts⊙Epoxy grouts

REPAIR MORTARS:

⊙Instant bituminous road repair⊙Instant concrete road repair mortar - 45 mins repair to use time (cementitious base) ⊙Immediate Airport runways/ military tank roads/ expressways repair epoxy mortar⊙Cement plaster repair mortar⊙Concrete floor resurfacing mortar

CONSTRUCTION AIDS:

⊙Shuttering oils for ply, Aluminum, plastic formwork⊙Concrete curing compounds
⊙Plaster-concrete binders⊙POP-concrete binders⊙Rock splitting Grouts⊙Concrete removing aids

WATERPROOF SYSTEMS:

- **Waterproof Coatings:-** ⊙Rubberized-Bitumen base⊙ PU Base⊙ Epoxy Base
- ⊙ Recrystallization technology⊙ UV reflective Coatings⊙ Polymer-mortar waterproof coatings
- **Protective coatings:-**⊙Coal Tar epoxy⊙ Metallic zinc and blends⊙ Chrome base
- ⊙Concrete protective coatings⊙ Offshore-rig protective coatings
- **Sealants:** ⊙Rubberised Sealant ⊙Polysulphide Sealant⊙Instant setting mortars (Cement Base)
- ⊙Instant setting mortars (Epoxy Base) ⊙Instant plugging Mortars

CONCRETE ADMIXTURES⊙WATERPROOF SYSTEMS⊙SEALANTS⊙COATINGS⊙EPOXY SYSTEMS

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

