
TILE FIX T5 EPOXY HW205

Product Description

Hard Worker Tile Fix T5 – Epoxy – HW205 is a three-component, high-performance tile adhesive engineered for exceptional bonding across a wide range of tile and special substrate types. With high chemical resistance, open time, and tensile strength, it is designed for challenging site conditions — both wall and floor applications.

Specification

- **Three-part system: Resin (Part A), Hardener (Part B), Filler (Part C)**
- **Complies with IS 15477 – Type 5 classification**
- **Suitable for dry, wet, and submerged surfaces**
- **Applicable over surfaces like concrete, metal, glass, and plywood**

Application Areas

Recommended for:

- Interior and exterior floors and walls
- Tile Types: Ceramic, Vitrified, Glass Mosaic, Metal, Marble, Granite, Natural Stone, Acrylic
- Substrates: Cement Screed, Drywall, Plaster, Concrete, Wood, Plywood, Glass, Metal
- Particularly suited for high-stress or chemically exposed environments

Substrate Preparation

Ensure the surface is dry, structurally sound, and free from dust, grease, or rust

Clean rusted metal with sandblasting

Ensure plumb tolerance of ± 3 mm over 3 m

Mixing Instructions

Pour Part A (resin) into Part C (filler) and mix to uniformity

Add Part B (hardener) and mix thoroughly using low speed blender

Mix only as much as can be used within the pot life

Ensure uniform, lump-free consistency

Application Instructions

Use flat side of trowel to spread adhesive evenly.
Then apply notched trowel to form a uniform bed.
Fix tiles within 40 minutes of open time.
Adjust tiles within 50 minutes.
Allow 24 hours before grouting.
Post Application Usage: 3 days light usage pattern and 7 days for heavy-duty usage.

Joint Filling

Allow the tile bed to set for at least 24 hours before grouting.
Clean tile surface and joints of any loose slurry.
Use HW Tile Grout (HW210 or HW211) as per site requirement.
Apply using a rubber float and clean excess grout with a damp sponge before it sets.

Packaging & Shelf Life

Supplied in a box of 3 components (Resin, Hardener, and Filler)
Shelf life: 12 months in sealed condition, stored between +10 °C to +50 °C in dry areas

Technical Specification Application Properties

Property	Value
Part A Resin Appearance	Thick and viscous liquid
Part B Hardener Appearance	Thick and viscous liquid
Part C Filler Appearance	Powder
Mixed Consistency	Paste
Open Time	40 minutes
Adjustable Time	50 minutes
Pot Life	60 minutes
Slip	≤ 0.5 mm

All values tested under standard lab conditions.

Adhesion Strength

Condition	Strength (MPa)
Tensile Adhesion (Dry, 28 days)	≥ 2.0 MPa
Shear Adhesion (Dry, 28 days)	≥ 6.0 MPa
Shear Adhesion (Heat-aged, 28 days)	≥ 3.0 MPa

All values tested under standard lab conditions.

Coverage

24 – 36 sq. ft. per 12 Kg bag (2 – 3 sq. ft./Kg), depending on surface condition and method

Cleaning

Clean all tools with appropriate thinner immediately after use
Cured material must be removed mechanically

Precautions

Contains epoxy resins – avoid contact with skin and eyes
Wear gloves, masks, and goggles

**Technical
Support**

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