

TRUBUILD EFX 666

Two Part PU Modified Hybrid Epoxy Adhesive



TECHNICAL DATA SHEET VER NO.11

TRUBUILD EFX 666 is a two-component, PU modified, hybrid epoxy adhesive for high performance and high adhesion for fixing tiles with no vertical slip-on deformable substrates. It is suitable for metal, plywood, cement board and dry wall construction. Designed for absorbent and non-absorbent substrates. It complies to EN 12004:2017 "R2T", "Type-5" TS2 as per IS 15477:2019 and is CFTRI approved.

ADVANTAGES



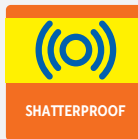
Ideal for drywalls, metal and plywood



Interior and exterior applications



High coverage



SHATTERPROOF



VERSATILE

- Versatile: floors and walls, for internal and external use.
- Extended open time up to 1 hr
- Easy in application
- Suitable for a variety of substrates viz. porcelain tiles, dry wall boards ceramics, large formats, low thickness slabs and natural stone.
- Ideal for marble and natural stone that tends to form stains and sag in the presence of humidity.
- CFTRI approved



AREA OF APPLICATIONS



APPLICATIONS

- Laying of ceramic tiles, porcelain tiles, marble and natural stone, on floors and walls and on absorbent/ non-absorbent/ deformable substrates.
- Fixing porcelain tiles, low thickness slabs, ceramic tiles, clinker bricks, glass and ceramic mosaic, natural stone, marble, granite and recomposed materials & wood, metals, rubber, linoleum internal and external flooring and walls in domestic, commercial and industrial applications.
- Suitable for fixing metal sheet used for prefabricated bathrooms, on work sops and kitchens, balconies, terraces, flat roofs and domes
- Can be used for fixing tiles in swimming pool and water fountains.

AVAILABLE PACKING



4 kg

SURFACE PREPARATION AND APPLICATION

Substrate must be free from dust, oil, algae fungi, efflorescence & grease, rising dampness with no loose, flaky, or imperfectly anchored parts. The substrate must be sound, without cracks and have already completed 28 days curing period of hygrometric shrinkage. Uneven areas must be treated with suitable polymer modified mortar & concrete. TRUBUILD EFX 666 is prepared by mixing together parts A and B from the bottom upwards, using a low-rev ($\approx 400/\text{min.}$) helicoidal agitator, respecting the pre-set ratio of Part A: Part B: 4:1, (by weight) of the packs. Pour part B into the bucket containing part A, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained (Minimum 5-7 minutes mixing).

The user must mix a quantity of adhesive which can be consumed within 1 hour at $+27^\circ\text{C} / 65\% \text{ R.H.}$ TRUBUILD EFX 666 must be applied with a suitable notch trowel using the smooth part of the spreader to apply a fine layer of the product, pressing down on the substrate in order to ensure maximum adhesion. Press down each tile to allow for maximum coverage of the surface. If the substrate is subjected to heavy traffic, in external applications and wherever high-elasticity laying system is required, use the double-spread technique to ensure 100% application of the product to the rear of the tiles. For vertical application, it will be ideal to use initial supports as per standard construction practice to hold the tile in its original alignment.

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TECHNICAL DETAILS

PROPERTIES	STANDARDS	RESULT
Mixing ratio	-	4:1: Part-A(resin): Part-B(hardener) pbw
Appearance	-	Opaque-white paste
Mixed density of wet mix, gm./ ml @27±2 °C temperature and 65±5% RH	-	1.35±0.10
Pot life (hr) @27±2 °C temperature and 65±5% RH	EN 12004-2017/IS 15477-2019	≥1hr
Open time(hr) @ 27±2 °C temperature And 65±5% RH	EN 12004-2017/IS 15477-2019	≥1hr
Vertical slip	EN 12004-2017/IS 15477-2019	≤0.5mm
Foot traffic	-	Min. after 24 hr
Grouting	-	Min.12 hr on wall and 24 hr on floor
Interval before normal use	-	Min. 3 days
Shear adhesion after 7 days dry condition	EN 12004-2017/IS 15477-2019	≥6 N/mm ²
Shear adhesion water immersion	EN 12004-2017/IS 15477-2019	≥5 N/mm ²
Shear adhesion after thermal shock	EN 12004-2017/IS 15477-2019	≥6 N/mm ²
Tensile adhesion to concrete	EN 12004-2017/IS 15477-2019	≥2.5 N/mm ²
Deformability	IS 15477-2019	≥5 mm

THEORETICAL COVERAGE

2-4 kg/m² for 1.5 mm to 3 mm bed thickness

NOTE: Coverage will vary depending on substrate smoothness and evenness.

CURING

Allow curing for 24 hr before foot traffic and other work like grouting between the tile.

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ADDITIONAL INFORMATION

LIMITATIONS & PRECAUTIONS

Strictly keep to the mixing ratio of Part A: Part B:: 4 : 1, (by weight). For partial mixing, weigh the two parts precisely. Workability times may vary considerably, depending on environmental conditions, and the temperature of substrate and environment. Protect against direct rain for at least 12 hrs after application. Do not lay on substrates subject to moisture rising or which are not completely cured. Before application the substrate should be in a completely dry condition. During rain, avoid application that is open to sky. For any special application, please seek the advice of Trubuild technical service team.

CLEANING

Trubuild EFX 666 can be removed from tools and equipment immediately after use with thinner and hardened material can be removed mechanically.

SHELF LIFE

24 Month from the date of manufacturing. To be stored in a cool & dry place in temperatures between +10 °C to +35 °C in its original unopened condition. Keep away from direct sunlight/ rain.

HANDLING PRECAUTIONS

- Use mask, nose cover and hand gloves during application.
- Epoxy resin may cause irritation when in contact with the skin. Hence, during application, avoid contact with skin and eyes.
- If it comes into contact with skin accidentally then use suitable resin removable cream and then wash the area with soap and water. If irritation continuous, then seek medical help.
- In case of contact with eyes, rinse it with clean water and seek immediate medical help.
- If swallowed accidentally then take immediate help of medical professional. Do not induce vomiting without advice of a medical doctor.
- For more safety related information about the material, please refer material safety data sheet.

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