

TRUFIX 330 WHITE

Adhesive for fixing large format tiles on floor & walls up to 10 ft height in interior/exterior

ASTRAL

TRUBUILD™

TECHNICAL DATA SHEET VER NO. N.1

TRUBUILD TRUFIX 330 (formerly known as TA 330) is a single-component, ready-to-use, polymer modified, cement-based white Tile Adhesive for fixing ceramic, clay, terracotta, brick, quarry tiles, vitrified/fully vitrified tiles, glass mosaic tiles, terrazzo, basalt, porcelain tiles & other stones on floors / walls in interiors, and exterior wall up to 10 ft height in dry & wet area. It should be applied on fully cured and sound cementitious substrates. It is also recommended for tile on tile application.

IS 15477:2019 Type 3T & EN 12004:2017 C2TE



FEATURES & ADVANTAGES



COLOUR



WATER
MIXING



SET TIME



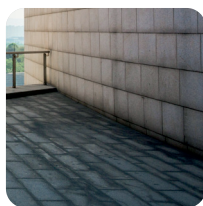
ADHESIVE



INDOOR &
OUTDOOR

- Ready-to-use and only onsite mixing with water is required
- Self-curing
- It has excellent adhesion and slip resistant properties
- Extended open time

AREAS OF APPLICATION



PACKAGING



- Adhesive for fixing large format tiles on wall & floor in interior/ exterior wall up to 10 ft height.

SURFACE	APPLICABILITY
Floor	Yes
Walls	Yes
Interiors	Yes
Exteriors	Yes (up to 10 ft.)
Dry areas	Yes
Wet areas	Yes

METHOD OF APPLICATION

- Tiles should be cleaned completely to remove the dust & loose particles. The substrate must be leveled, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from rising dampness. Dry & dusty surfaces should be dampened with water & excess water should be swept off.
- For mixing, take required amount of water in a mixing bucket and then add Trubuild Trufix 330 slowly to the mixing tub. Continue mixing with low-speed mechanical mixture while charging powder into the water in a mixing bucket. Always maintain water to adhesive ratio of 0.22 by weight (4.2 L to 4.4 L per 20kg bag)
- Mixing time should not be more than 3 to 5 min. After mixing, wait for 1-2 minutes and then use it for application.
- Apply mixed material on the surface so as to achieve 3-5 mm bed thickness. Spread it with the help of notched trowel and do not spread in more than one sq. m. of area at a time. Press the tile firmly and hammer gently with soft mallet to ensure perfect bond.

- Clean the excessive adhesive from the joints.
- For large format tiles or irregular surfaces, adhesive can additionally be buttered on the backs of the tiles to ensure full adhesive contact.
- Adhesive should cover minimum ninety-five percent surface area of the tile.
- For best results, use Trubuild Stylo Cem/3K/Duo of required shade to fill the gaps between the tiles but same should be strictly done after 24 hrs. of tile application.
- Leave the tile applied area untouched for minimum 24 hrs.
- Clean the tools & equipments with clean water immediately after use.

TECHNICAL DETAILS

S.NO.	PROPERTIES	RESULTS
1.	Appearance	White
2.	Mixing ratio (water : powder), by weight	w/p=0.23, by weight & 4.2-4.4 L per 20 kg bag
3.	Coverage	Approx. 50-65 sqft./ 20 Kg at 3 mm thickness (will depend upon the surface)
4.	Initial setting/ trafficable/ grouting time	Min. 24 hr.
5.	Open Time	Min. 30 minutes
6.	Adjustment Time	Approx. 35 minutes
7.	Pot life	Approx. 120 minutes
8.	Bed Thickness	Max. 12mm

PERFORMANCE PROPERTIES AS PER EN 12004:2017 (C2TE)

PROPERTIES	REQUIREMENT	RESULTS
High initial tensile adhesion strength	$\geq 1.0 \text{ N/mm}^2$	$\geq 1.7 \text{ N/mm}^2$
High tensile adhesion strength after immersion	$\geq 1.0 \text{ N/mm}^2$	$\geq 1.2 \text{ N/mm}^2$
High tensile adhesion strength after heat ageing	$\geq 1.0 \text{ N/mm}^2$	$\geq 1.2 \text{ N/mm}^2$
High tensile adhesion strength after freeze-thaw cycles	$\geq 1.0 \text{ N/mm}^2$	$\geq 1.1 \text{ N/mm}^2$
Slip Resistance (T)	$\leq 0.5 \text{ mm}$	$\leq 0.25 \text{ mm}$
Extended open time (E) @ 30 min.	$\geq 0.5 \text{ N/mm}^2$	$\geq 0.6 \text{ N/mm}^2$

PERFORMANCE PROPERTIES AS PER IS 15477:2019 (TYPE 3 T)

PROPERTIES	REQUIREMENT	RESULTS
Tensile Adhesion: Dry Condition	Minimum 1.5 N/mm^2	$\geq 1.5 \text{ N/mm}^2$
Tensile Adhesion: Wet Condition	Minimum 1.0 N/mm^2	$\geq 1.1 \text{ N/mm}^2$
Shear Adhesion: Dry Condition	Minimum 1.5 N/mm^2	$\geq 1.5 \text{ N/mm}^2$
Shear Adhesion: Heat Ageing	Minimum 1.0 N/mm^2	$\geq 1.2 \text{ N/mm}^2$
Shear Adhesion: Wet Condition	Minimum 1.0 N/mm^2	$\geq 1.1 \text{ N/mm}^2$
Slip Resistance (T)	$\leq 0.5 \text{ mm}$	$\leq 0.28 \text{ mm}$

LIMITATIONS & PRECAUTIONS

- It is a ready-to-use Tile Adhesive so do not add sand or cement further and always add the recommended percentage of water.
- To avoid lump formation, always add the powder to water and not water to powder.
- Do not apply on drywall partitions like cement, bison, gypsum, plywood boards & wood derivatives, decorative laminates, metal, plastic or highly deformable surfaces subject to vibrations.
- Do not use for fixing artificial/ nanoengineered stones/ composites/ metal tiles.
- Do not add more water than recommended.
- Surface to be cleaned and roughened before installation of tiles or stones.
- Not to be used as an adhesive on paint, wood, metal & gypsum plaster.
- Do not use on wet screed.
- Substrate undulation should be repaired with polymer modified mortar/ screed/ plaster prior application of Tile Adhesive.
- Designer/ applicator must evaluate the use of an additional mechanical fastening system for extra security for a high height (such as steel hooks fastened to the substrate).
- Substrate should be fully cured as per standard construction practice.
- Setting time will depend on thickness, weather & humidity.

SHELF LIFE

12 months in its unopened sealed original packaging in a strictly dry and cool storage place.

HANDLING & STORAGE

HANDLING: Provide adequate ventilation in the application area. Use rubber hand gloves & safety goggles. In case of contact with skin, wash with plenty of water. If irritation occurs then consult with doctor immediately. Keep it out of reach from children.

STORAGE: Product should be unopened, sealed and undamaged. It should be stored in cool and dry conditions at temperatures between +5°C to +35°C. Protect from direct sunlight and humidity.

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