

TRUFIX 110

Ideal For Fixing Small Format Tiles On Floor

ASTRAL

TRUBUILD™

TECHNICAL DATA SHEET VER NO. N.1

TRUBUILDTRUFIX 110 (formerly known as TA 110) is a single-component, ready-to-use, polymer modified, cement-based, grey tile adhesive for fixing tiles on floors and walls in interiors.

Meet the requirements of IS 15477:2019 Type 1T and EN 12004:2017 C1T



FEATURES & ADVANTAGES



COLOUR



WATER MIXING
RATIO (BY VOLUME)



SET TIME



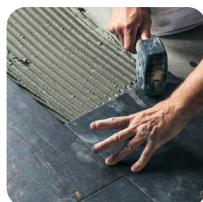
ADHESIVE



INDOOR

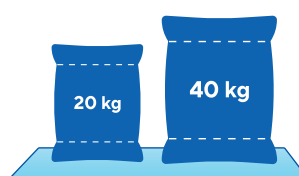
- Ready-to-use and only on-site mixing with water is required.
- It has excellent adhesion and slip resistance properties.
- It is suitable for tiling application in interiors.

AREAS OF APPLICATION



Suitable for fixing all types of ceramic tiles and small-format natural stones on concrete and various cement-based substrates in dry interior floor and wall applications.

PACKAGING



SURFACE	APPLICABILITY
Floor	Yes
Walls	Yes
Interiors	Yes
Exteriors	No
Dry areas	Yes
Wet areas	No

METHOD OF APPLICATION

- Tiles should be rinsed with water completely to remove the dust & loose particles.
- For mixing take required amount of water in a mixing bucket and then add Trubuild Trufix 110 slowly to the mixing tub. Continue mixing with low speed mechanical mixture while charging powder into the water in a mixing bucket. Always maintain adhesive to water mixing ratio 3:1 by volume (5 L to 5.5 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 mix material on the surface such that we can achieve 3-5 mm bed thickness, spread it with the help of notched trowel, do not spread in more than one sqmt. of area at a time. Press the tile firmly & hammer gently with soft mallet to ensure perfect bond.
- Clean the excessive adhesive from the joints.
- For best results use Trubuild Stylo Cem/3K/ Duo of required colour to fill the gaps between the tiles but the same should be strictly done after 24 hrs of tile application
- Leave the area where the tile is applied, area untouched for a minimum of 24 hrs.
- Clean the tools & equipments with clean water immediately after use.

TECHNICAL DETAILS

S.NO.	PROPERTIES	RESULTS
1.	Appearance	Grey
2.	Mixing ratio (water : powder), by weight	w/p=0.26, by weight & 5-5.5 L per 20 kg 10-11 L per 40 kg
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. 15 minutes
6.	Adjustment Time	Approx. 20 minutes
7.	Pot life	Approx. 120 minutes
8.	Bed Thickness	Max. 12mm

PERFORMANCE PROPERTIES AS PER EN 12004:2017 (C1T)

PROPERTIES	REQUIREMENT	RESULTS
Initial tensile adhesion strength	$\geq 0.5 \text{ N/mm}^2$	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after immersion	$\geq 0.5 \text{ N/mm}^2$	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after heat ageing	$\geq 0.5 \text{ N/mm}^2$	$\geq 0.5 \text{ N/mm}^2$
Tensile adhesion strength after freeze-thaw cycles	$\geq 0.5 \text{ N/mm}^2$	$\geq 0.5 \text{ N/mm}^2$
Slip Resistance (T)	$\leq 0.5 \text{ mm}$	$\leq 0.5 \text{ mm}$

PERFORMANCE PROPERTIES AS PER IS 15477:2019 (TYPE 1 T)

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

LIMITATIONS & PRECAUTIONS

- It is a ready-to-use tile adhesive so do not add sand and cement further and always add recommended percentage of water.
- Do not use for vertical cladding of heavy tiles.
- To avoid formation of lump always add powder to water and not water to powder.
- Strictly not to be used as an adhesive on paint, wood, metal & gypsum plaster.
- Tile adhesive should cover min. 95% of the tile surface area.
- Recommended for concrete, cement plaster, mortar screed. For any other substrate please contact technical service team before commencing the job.

NOTE- Substrate should be fully cured before application.

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 stored in a dry place strictly away from moisture.

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