

# TRUBUILD TILE ADHESIVE TA 660 GREY

Flexible Adhesive for fixing large format tiles on wall & floor in interiors and exteriors.



## TECHNICAL DATA SHEET VER NO.11

**TRUBUILD TILE ADHESIVE TA-660** is a single-component, ready-to-use, polymer modified, cement based, flexible, grey. 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 on exterior walls for more than 10 ft. height in dry & wet areas. It should be applied on fully cured and sound cementitious substrates. It is also recommended for tile on tile application.

Meets the requirement of IS 15477:2019-TYPE 4 -T4TS1

### ADVANTAGES



- Ready-to-use and only onsite mixing with water is required
- Self-curing
- It has excellent adhesion and slip resistant properties
- Deformable adhesive(S1)
- Can be used in areas subjected to vibrations and direct sunlight.
- Extended open time



### AREA OF APPLICATIONS



#### APPLICATIONS

- Flexible adhesive for fixing large format tiles on wall & floor in interiors and exteriors.

SURFACE	APPLICABILITY
Floor	Yes
Wall	Yes
Interiors	Yes
Exteriors	Yes (for more than 10ft. height)
Dry areas	Yes
Wet areas	Yes

### AVAILABLE PACKING



20 kg stich bag

### HOW TO USE

1. 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.
2. For mixing, take required amount of water in a mixing bucket and then add Trubuild Tile Adhesive TA-660 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)
3. Mixing time should not be more than 3 to 5 min. After mixing, wait for 1-2 minutes and then use it for application.
4. 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.
5. Clean the excessive adhesive from the joints.
6. For large format tiles or irregular surfaces, adhesive can additionally be buttered on the backs of the tiles to ensure full adhesive contact.
7. Adhesive should cover minimum ninety-five percent surface area of the tile.
8. For best results, use Trubuild Tile Grout of required shade to fill the gaps between the tiles but same should be strictly done after 24 hrs. of tile application.
9. Leave the tile applied area untouched for minimum 24 hrs.
10. Clean the tools & equipments with clean water immediately after use.

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## TECHNICAL DETAILS

PROPERTIES	RESULTS
Appearance	Grey
Mixing ratio(water : powder), by weight	w/p=0.22, by weight & 4.2-4.4 L per 20 kg bag
<b>Coverage</b>	<b>Approx. 50-65 sqft./ 20 Kg at 3 mm thickness (will depend upon the surface)</b>
Initial setting/ trafficable/ grouting time	Min. 24 hr.
Open time, minutes	35
Tensile adhesion(N/mm <sup>2</sup> ) a) Dry condition b) Wet condition	1.59 1.26
Shear adhesion(N/mm <sup>2</sup> ) a) Dry condition b) Wet condition c) Heat ageing	1.69 1.29 1.59
Adjustment time, minutes	40
Slip(mm)	<0.5 mm
Pot life (minutes)	150
Mixed density (kg/m <sup>3</sup> )	Approx. 1,556
Deformability	S1

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## ADDITIONAL INFORMATION

### LIMITATIONS & PRECAUTION

- 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.
- Can be used for surfaces subjected to vibrations and direct sunlight.
- Do not use for fixing artificial/ nanoengineered stone/ composites/ metal tiles. For the said purpose you can use our Trubuild EFX 666.
- 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.

### HANDLING PRECAUTIONS

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.

### SHELF LIFE

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

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