SHAWAR

Brilliance Within

TECHNICAL DATASHEET

TA-333

TA-333

Type - 3TS1/C2TES1

Shawar (TA-333) Tile Adhesive complies to Type 3 TS1 as per “IS 15477: 2019 - Adhesives for use with ceramic, vitrified and Stone tiles.”

1. Ideal for walls
2. Highly Polymer-modified
3. Thicknesses up to 12 mm
4. Ideal for wet areas
5. No sag
6. Deformable
7. For stone and marble
8. Prolonged workability
9. highly flexible



Rating 5 White

Rating 4 Grey

Conforms to
IS 15477 :2019
Type 3TS1
EN 12004 : C2TES1

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DESCRIPTION



Shawar TA-333 adhesive is a polymer modified, grey/white cement-based thin-set tile adhesive for fixing low porosity tiles and Stones on levelled walls and floors. This high Quality, Factory prepared dry powder includes specilized chemical addetives and inorganic fillers that delivers exceptional debonding strength, ensuring full coverage of the tile surface. This result in a robust installations as compared with traditional mortar. Suitable for use in bigger size swimming pools where water capacity is >2000 litre. It is also suitable for laying big size vitrified and fully vitrified body tiles on various surfaces such as cement plaster, screed etc.

Areas of application

Use

Substrates:

- Lime and cement-based plasters / renders Concrete
- Gypsum and anhydrite (1)
- Cellular concrete
- Plasterboard
- Cement-based screeds and mortars
- Heating systems
- Waterproofing products
- Anhydrite screeds (1)
- To overlay existing floors
- Insulating panels
- cement slabs Thermal insulation panelling systems

Materials:

- Ceramic tiles
- Stone mosaic
- Various mosaics and italian marble
- Large size
- Vitrified/ full body
- Marble and natural stone Porcelain / semi-vitrified tiles Insulating and soundproofing panels

Uses:

- For internal /external floor
- Overlaying
- Floors and walls
- Facades
- Terraces and balconies
- Swimming pools and fountains
- Saunas and spa
- External walls/rooftop
- Domestic
- Commercial
- Industrial





Instructions for use

- Apply adhesive to the substrate with the flat side of the trowel
- Comb additional adhesive with the notched side.
- Use the proper sized notched trowel to ensure full bedding of the tile.
- Tiles must be fixed within 15-20 minutes of adhesive being applied, depending on the porosity of the surface and atmospheric conditions.
- Check the adhesive ribs periodically and if a skin has formed, remove the dried adhesive and apply fresh adhesive.
- Press the tiles firmly into position with a slight twisting action, checking periodically that good contact is maintained with the back of each tile and beat in using rubber mallet to imbed tile and adjust level.
- Leave no voids behind tiles.
- for large size tiles or irregular surfaces, adhesive can additionally be buttered on the backs of the tiles to ensure full adhesive contact.
- Use suitable support along with adhesive for fixing tiles on vertical surfaces.
- Leave adequate joints between individual wall and floor tiles using shawar spacers. The joint width shall be as per the recommendation of architect / engineer.
- Clean off surplus adhesive from the tile face and between joints.
- Clean tools and tile work with water while adhesive is fresh.

FEATURES AND ADVANTAGES

- Easy to use - just add water on site,ready to use.
- Highly Polymer modified - provides high structural - adhesion, allows bonding on variety of substrates, for fixing variety of tiles and stones.
- Long open time - suitable for large format & external condition.
- Sag Resistant formula - provides hassle-free application on vertical walls.
- Water & shock resistant - suitable for wet areas & commercial floor too.
- Flexible adhesive - allows to sustain minor vibration in substrate.
- Sustains heat ageing - ideal for high temperature locations like outdoor use, Jacuzzi, sauna etc.
- Low VOC - for healthy living.

Technical Data compliant with Shawar Conchem Quality Standard

Performance properties as per is 15477:2019 (Type ‘3’ TS1) - Complaint to EN 12004 : C2TES1

Testing Properties	Requirments	Testing Result
a) Tensile adhesion at dry condition, after 28 days	≥ 1.5 N/mm²	≈1.6-1.94 N/mm2.
b) Tensile Adhesion at Wet condition	≥ 1 N/mm²	≈1.1-1.60 N/mm2
c) Shear Adhesion at Dry Condition	≥ 1.5 N/mm²	≈1.6-2.25 N/mm2
d) Shear Adhesion at Wet condition	≥ 1 N/mm²	≈1.1-1.99 N/mm2
e) Shear Adhesion at Heat Ageing	≥ 1 N/mm²	≈1.1-1.86 N/mm2
f) Slip resistance	<0.5 mm	≈0.21-0.45 mm (T)
g) Deformation	≥ 2.5 mm, 5 mm	≈2.7-4.77 mm (S1)

Values taken at +27 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbency level of the substrate and of the materials laid. all test results are for a specified batch of meterial and practical Values are Subjected to Deivation up to ± 10% to 15% as per the practical Implications by various technician underSpecified LaboratoryEquipments & condition

Technical Information

Application Properties

Testing Properties	Testing Result
Tentative Mixing Ratio (Powder: Water)	3: 1 by volume 1 : 0.24 by weight
Mixed Density	1.7-1.9kg/ litre
open Time (IS 15477: 2019)	Approx. 45 minutes
Adjustability (IS 15477: 2019)	Approx. 45 minutes
Pot Life	Approx. 150 minutes
Adhesive Thickness	3 -12 mm
Setting/ Trafficable/ Grouting Time	72 hours

PRECAUTIONS & NOTE

- Always add powder towater.
- Do not add excess water than recommended.
- Never add sand & cement at site.
- Do not use on wet screed. Surface must be fully cured.
- Do not use the adhesive to correct surface irregularities greater than 9 mm.
- Protect from direct rainfall/ foot traffic for at least 48 hours.
- Leave gap between the tile & fill gap with shawar tile grout.
- Designer/ applicator must evaluate the use of an additional mechanical fastening system for extra security for more than 3m height (such as steel hooks fastened to the substrate).

Warning:-

- Product for professional use
- abide by any standards and national regulations
- do not use the adhesive to correct substrate irregularities greater than 9 mm

  Protect from direct rainfall for at least 24 hrs
- the temperature, ventilation and absorption of the substrate and covering materials, may vary the adhesive work ability and setting times
- use the right size of notched trowel for the format of the tile or slab guarantee a full-bed in all external laying operations
- if necessary, ask for the safety data sheet

Spring the lesson of Humanity

Please note that this datasheet supersedes all previous versions. For Feedback/complaints, write to Customer Relationship Manager at SHAWAR CONCHEM PVT LTD

OR

MAIL US AT: SHAWARCONCHEM@GMAIL.COM