SHAWAR

Brilliance Within

TECHNICAL DATASHEET

TA-207

TA-207

Type - 2/C1T

Shawar (TA-207) Tile Adhesive complies to requirements of IS 15477 : 2019- Type 2 "Specification for Adhesives for use with Ceramic and Vitrified Tiles"



1. Ideal for walls/floor
2. Polymer-modified
3. Thicknesses up to 12 mm
4. Ideal for wet areas
5. No sag
6. Very low VOC
7. For stone mosaic
8. Prolonged work ability
9. Adjustable

Rating 5 White

Rating 4 Grey

Conforms to
IS 15477 :2019
Type - 2
EN 12004 : C1T

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DESCRIPTION

Shawar TA-207 is a polymer modified, grey cement-based thin-set tile adhesive for fixing Vitrified and ceramic tiles on levelled walls and floors. This high Quality, factory prepared dry powder includes specialized chemical additives and inorganic fillers. It delivers exceptional bonding strength, ensuring full coverage of the tile surface. This result in a robust, long lasting installation.

Areas of application

Use

Substrates:

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

Uses:

- Floors and walls
- For internal/externalfloor use
- for internal wall
- Overlaying
- Terraces and balconies
- Swimming pools and fountains
- Saunas and spa
- Domestic
- Commercial
- Industrial

Materials:

- Ceramic tiles
- Porcelain tiles
- Vitrified tiles
- Terracotta
- Klinker
- Mosaics





Instructions for use

- Apply adhesiveto 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 20-30 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.
- Ideal product for tile-on-tile applications on floor.
- Sag resistant formula: provides hassle-free application on vertical walls.
- Water resistant- suitable for wet areas.
- Good adhesive bond strength & bonds to various cement-based substrates.
- Low VOC-for healthy living.

Technical Information

Performance properties as per is 15477:2019 (Type ‘2’ T) Complaint to EN 12004 : C2T

Testing Properties	Requirments	Testing Result
a) Tensile adhesion at dry condition, after 28 days	>1.0 N/mm²	≈1.0-1.17 N/mm²
b) Tensile Adhesion at Wet condition	>1.0 N/mm²	≈1.0-1.23 N/mm²
c) Shear Adhesion at Dry Condition	>1.25 N/mm²	≈1.25-1.44 N/mm²
d) Shear Adhesion at Wet condition	>1.0 N/mm² >	≈1.0-1.23 N/mm²
e) Shear Adhesion at Heat Ageing	>1.0 N/mm²	≈1.0-1.14 N/mm²
f) Slip resistance	<0.5 mm	≈0.30-0.45 mm(T)

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 under Specified Laboratory Equipments & condition

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 30 minutes
Adjustability (IS 15477: 2019)	Approx 30 minutes
Pot Life	Approx 120 minutes
Adhesive Thickness	3 -12 mm
Setting/ Trafficable/ Grouting Time	72 hours

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 under Specified Laboratory Equipments & condition

PRECAUTIONS & NOTE

- Always add powder to water.
- Do not add excess water than recommended.
- Never add sand or 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 in 3mtr.
- Protect from direct rainfall/ foot traffic for at least 24 hours.
- Leave gap between the tile & fill Gaps with Shawar Epoxy 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