SHAWAR

Brilliance Within

TECHNICAL DATASHEET

TA-108

TA-108

Type - 1/C1

Shawer (TA-108) Tile Adhesive complies to requirements of IS 15477 : 2019- Type 1 "Specification for Adhesives for use with Ceramic Tiles and Mosaics."



1. With New-Genration rheology Modified
2. Long open time
3. With very Low-VOC emissions

Conforms to
IS 15477 :2019
Type - 1
EN 12004 : C1

Rating 5 White
Rating 4 Grey

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DESCRIPTION



Shawar TA-108 Tile Adhesive is a polymer modified, grey cement-based thin-set tile adhesive for fixing high porosity tiles like ceramic/ clay tiles, terracotta and quarry tiles of regular size.

It is suitable for both vertical and horizontal surfaces, over the cementitious substrate for indoor application, in dry as well as wet areas. It also recommended for installation of Vitrified tiles on the floor.

Areas of application

Use

Substrates:

- Cement-based screeds and mortars
- Anhydrite screeds (1)
- Lime and cement-based
- Plasters/renders Concrete
- Cellular concrete
- Plasterboard
- Gypsum and anhydrite (1)
- Waterproof slabs
- Cement slabs thermal insulation panelling systems

Uses:

-Floorsand walls
- Forinternal use
- overlaying
- Facades
- Terraces and balconies
- Swimming pools and fountains
- Saunas and spa
- Domestic
- Commercial
- Industrial

Materials:

- Ceramic tiles
- Porcelain tiles
- Terracotta
- Klinker
- Marble and natural stone
- Various mosaics
- Insulating and soundproofing panels





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 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.
- 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 Data compliant with Shawar Conchem Quality Standard

Specifications for Type-1 Adhesives as per IS 15477:2019

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. 25 minutes
Adjustability (IS 15477: 2019)	Approx. 20 minutes
Pot Life	Approx. 120 minutes
Adhesive Thickness	3 -12 mm
Setting/ Trafficable/ Grouting Time	72 hours

Specifications for Type-1T Adhesives as per IS 15477:2019 - Compliant to EN 12004 : C1T

Test Type	Tensile Adhesion - Dry Condition (N/mm2)	Shear Adhesion - Dry Condition (N/mm2)	Slip (mm) - T
Requirements as per IS 15477:2019	Min. 0.5	Min. 1.0	0.5 mm
OUR Values	≈ 0.54	≈ 1.08	≈ 0.41 mm

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 & 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 24 hours.
- Leave gap between the tile & fill gap 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).

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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