



SUPER TAJ SHREE

Construction solutions



SUPER TAJ SHREE
WALLCARE PRODUCTS

www.supertajshree.com



Silver 5 Star (ST-365)

High Polymer Modified, Cementitious, Tile Adhesive

DESCRIPTION

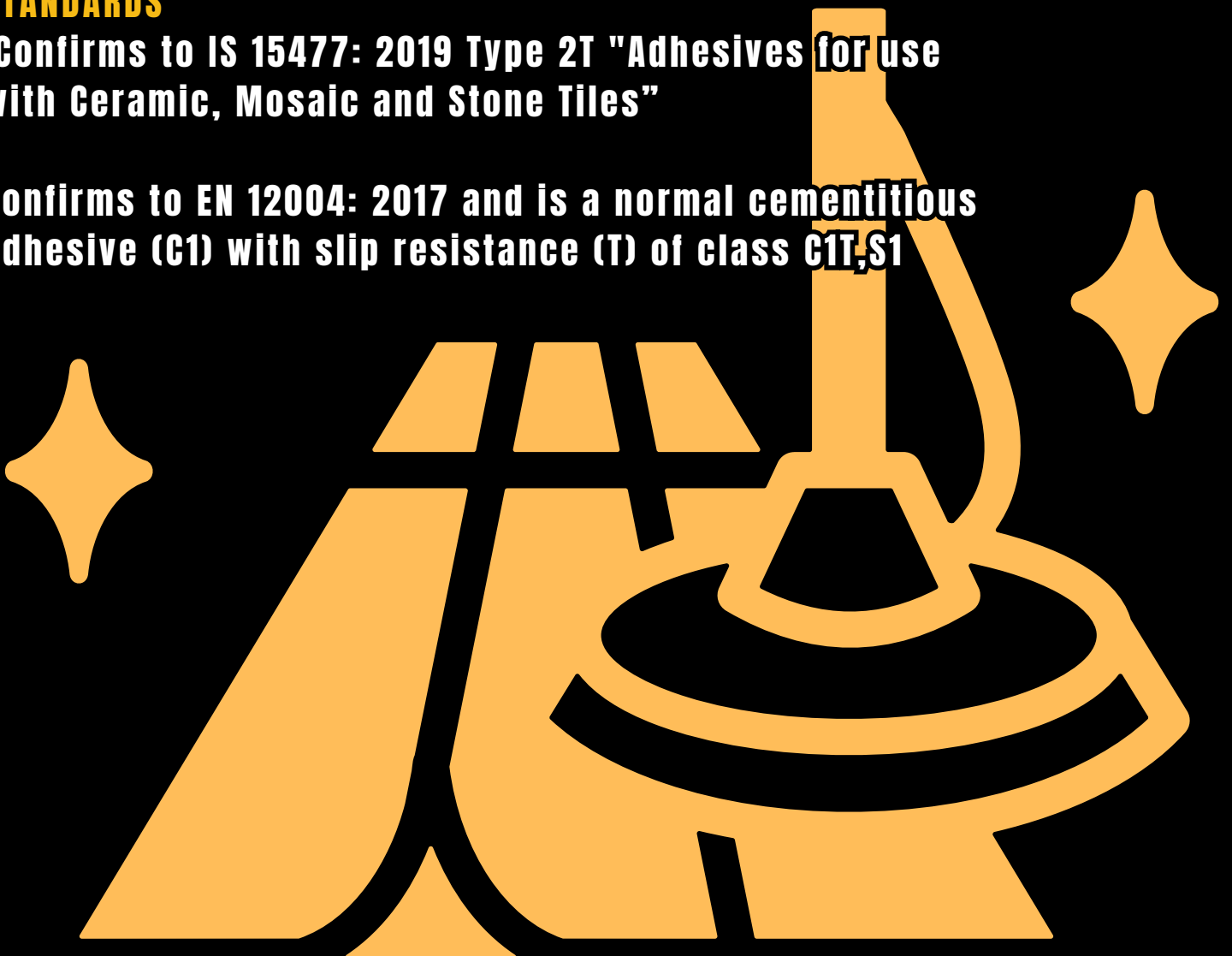
High polymer modified, grey & White cement-based tile adhesive suitable for fixing medium format tile/stone in interior walls/floor and exterior floor situations upto 6mm bed thickness (can be extended up to 12 mm in area of limited extent). Silver 5 Star is used for fixing mosaics, vitrified and fully vitrified tiles.

Note: Not recommended for direct use onto gypsum plaster (wall finishes), paint or metal.

STANDARDS

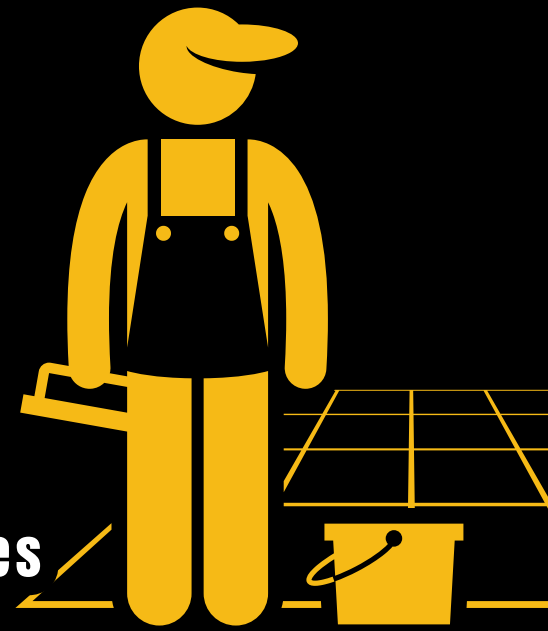
Confirms to IS 15477: 2019 Type 2T "Adhesives for use with Ceramic, Mosaic and Stone Tiles"

Confirms to EN 12004: 2017 and is a normal cementitious adhesive (C1) with slip resistance (T) of class C1T,S1



FEATURES

- High bond strength
- Easy mixing, smooth application & better workability
- Suitable for most common substrates and tiles
- Water resistant
- Enhanced flexibility & adhesion can be obtained with addition of ADMIX AD1 (latex additive).



SUITABLE BACKGROUND / BASES

- Concrete walls & floor
- Cement sand screed
- Cement sand render
- Renovation works on existing:
- Unglazed tiles Glazed tiles* (vitrified and ceramic tiles)



PHYSICAL PROPERTIES

Bed Thickness	upto 6 mm (suitable upto 12mm in areas of limited extent)
Pot Life	3 hours
Setting Time	24 hours
Temperature Resistance	-5°C to +45°C
VOC Content	1.12 g/L



Property with Test Method	Min. Requirements	Typical Result
Tensile Adhesion Strength (as per Annex A) Dry condition	0.75 N/mm ²	>1.00 N/mm ²
Shear Adhesion Strength(as per Annex B) Dry Condition Heat Aging Condition Wet Condition	1.25 N/mm ² 1.00 N/mm ² 1.00 N/mm ²	>1.25 N/mm ² >1.10 N/mm ² >1.00 N/mm ²
Open time (as per Annex C)	As per Mftr.	20 mins
Adjustment time (as per Annex D)	As per Mftr.	15 mins
Slip (as per annex E)	< 0.50 mm	0.35 mm

COVERAGE ESTIMATES

Pack size

20 kg

Notch Trowel size	Consumption/m ² (@ 45° angle of trowel)
(6mmx6mm)	
1/4" x1/4"	

Coverage:

Approx. 35-40 sft per 20kg bag with 1/4" x1/4" (6mmx6mm) square notched trowel for average Bed of 3mm.

Coverage will vary depending on trowel notch size, type and Size of tile and substrate smoothness and evenness.

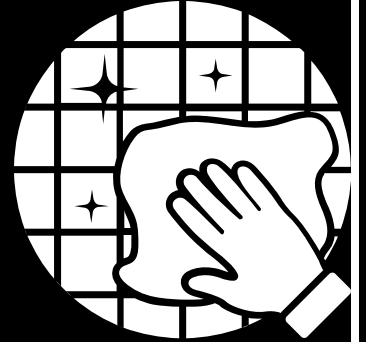


APPLICATION INSTRUCTIONS

Substrate Preparation

Before starting any work ensure that the base is:

- Sufficiently flat to permit the specified flatness of finished tiling, bearing in mind the permissible thickness of the adhesive.
- Suitable for tiling in the service conditions to which it will be exposed.
- Surfaces to be tiled must be dry, clean and free from loose material and contamination.



SITE WORK INSTRUCTIONS

Surface considerations



New Concrete Bases

- Before commencing tiling, ensure that bases have been allowed to air dry for atleast 4 weeks.

New Cement Sand rendering:

- Before commencing tiling, allow plastered surface to air dry for atleast 2 weeks (3 weeks for swimming pools).

Mixing

- Add GOLD STAR to clean water. Mix thoroughly until a lump-free mortar is obtained. The adhesive is immediately ready-for-use and has a pot life of 3 hours. No further water should be added. Where mixing by weight is not possible, volume mixing can be carried out at site in the ratio of 1:3.5 (water : powder)

Water Content

20 kg Bag : 3.80 to 4.10 ltrs



Silver 5 STAR

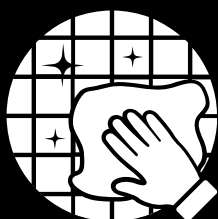
High Polymer Modified, Cementitious, Tile Adhesive

APPLICATION

1. Spread not more than the area which can be tiled within the open time of the adhesive.
2. The mixed adhesive is applied to the prepared surface with a trowel and then combed through with a suitably sized squaretoothed notched trowel.
3. The tiles should be fixed within the open time of the adhesive and pressed into place with a twisting and sliding action ensuring solid bed fixing is achieved. The open time is dependent on site conditions and will be extended in lower temperatures and shortened at higher temperatures.
4. Check periodically that good contact is maintained with the back of each tile.
5. Touch the adhesive ribs periodically and if a skin has formed, remove the adhesive and apply a new layer.
6. Leave adequate joints between individual wall and floor tiles unless self-spacing tiles are used.
7. Clean off surplus adhesive from the tile face and between joints

Note

- Do not use in damp conditions and temperature less than 5 C
- Seal the sides & bottom of porous stones with UNDERTILE & STONE PRIMER to avoid migration of moisture. (data removed)
- Use suitable clamps along with adhesive at the time of installation of tiles/stones above 3m height as recommended by IS 15477: 2019
- For large span tiling works, leave movement joints at every 3m interval and fill with a flexible sealant as per BS 5385.
- Prevent foot traffic till the adhesive has completely set.

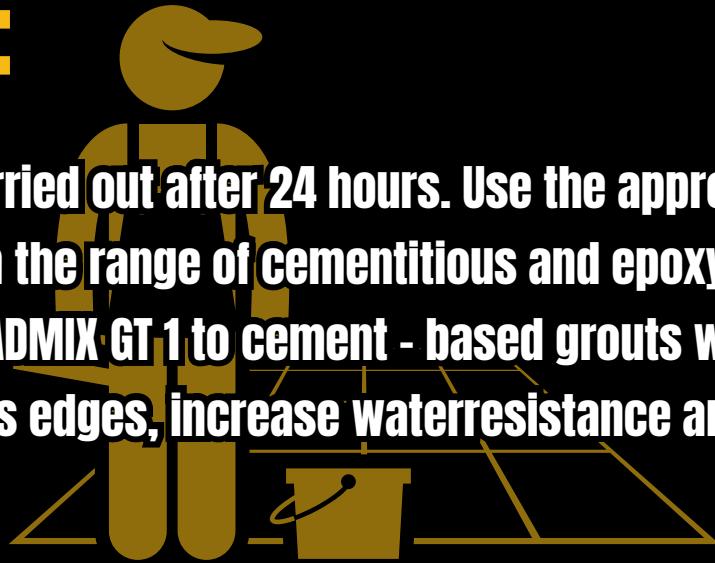


SPACERS :

- Use supertaj spacers for uniform joint width.

GROUTING :

- Grouting should be carried out after 24 hours. Use the appropriate grouting material from the range of cementitious and epoxy grouts.
- **Note:** The addition of ADMIX GT 1 to cement - based grouts will enhance adhesion to tile/stones edges, increase waterresistance and improves flexibility.

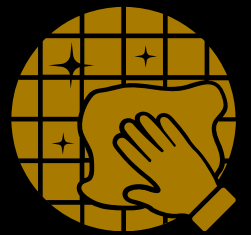


SEALERS :

SUPER TAJ SHREE offers a range of Tile & Stone surface sealers depending on the desired finish:

- Wet look finish: Use 'Heavy Duty Impregnating Tile & Stone Sealer'
- Glossy finish: Use 'Impregnating Tile Sealer'

CLEANING :



Tools and containers may be cleaned using clean water when the adhesive is still fresh. The hardened adhesive can be removed from tools mechanically.

STORAGE AND SHELF LIFE :

GOLD STAR has a shelf life of 12 months when stored in normal dry conditions.



PRECAUTIONS :



- **Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.**
- **For more details please refer the relevant Material Safety Data Sheet**

CONDITIONS OF SALE

- **Sold subject to the Company's conditions of sale which are available on request.**

NOTE :

- **The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.**