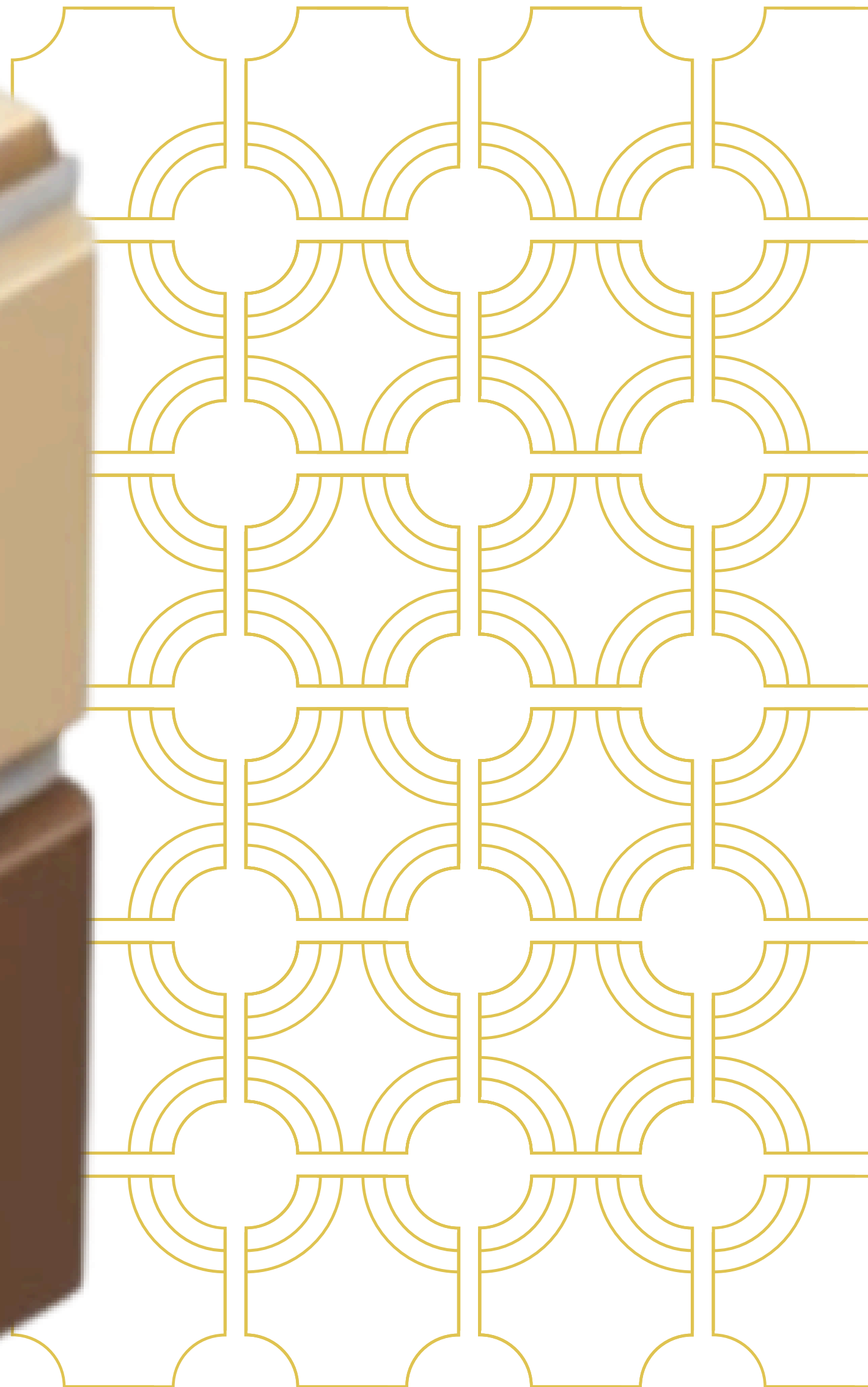




FABRO Gold

THE GOLDEN STANDERD
OF TILING



**TECHNICAL
DATA SHEET**

(TDS) Platinum +

Type - 3T

Platinum Plus

ADHESIVE FOR FIXING EXTERNAL
TILES, NATURAL STONES AND
GLASS MOSAIC



**THE GOLDEN STANDERD
OF TILING**



	For Internal & External Floor & Wall		For Wet & Dry Area
	Highly Flexible		Extended Open Time
	Superior Bond Strength		Low VOC



DESCRIPTION

Fabro Gold T(3) Tile Adhesive is a highly polymer modified, thin-set tile adhesive for fixing for all type of tiles, mosaics and natural stones, on a variety of surfaces, for both vertical and horizontal application, in dry as well as wet areas for indoor as well as outdoor application. It can be used to fix regular size tile in commercial area as it accommodates shocks due to heavy traffic.

STANDARD COMPLIANCE/ SPECIFICATION

Fabro Gold Tile Adhesive complies to Type 3 TS1 as per “IS 15477: 2019 - Adhesives for use with ceramic, mosaic and Stone tiles - Specification.”



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.



Material to be fixed	On Surface/Substance	Area of Application
All types of ceramic tile, terracotta, pavers, brick, vitrified tiles, glass mosaic tiles, large format tiles, precast terrazzo, marble & natural stones, low thickness slabs.	Cement-based screeds/ bed, gypsum & cement based plasters/ renders, concrete surfaces & bricks, existing tiles & stones, other cement-based surface, waterproofing products, drywall like cement /bison/ gypsum boards.	Floor and walls for internal area & external area*, dry & wet area like saunas, spa, fountains, swimming pools etc., Terraces & balconies, domestic applications, commercial applications.

For all external wall tile/ stone fixing & drywall tile installation, Consult with Roff technical team.

LIMITATIONS

- Do not apply directly to other drywall partitions of plywood & wood derivatives, decorative laminates, metal, plastic, highly deformable surfaces subject to vibrations.
- Adhesives for ceramic tile, bricks and stone are not designed as replacements for waterproof coating. Use Fabro Gold waterproofing coating before tiling for wet area.
- Do not use for fixing artificial/ nano/ engineered stone/ composites/ metal tile.
- For external wall application of tile/ stone size of > 2 ft OR at > 10 ft height, use Fabro Gold Type 4'T'S2 grade adhesive.

Application Instructions

SUBSTRATE PREPARATION

- The substrate must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.
- All surfaces must be plumb and true to within 6 mm in 10 ft(3m)_
- Dry, dusty surfaces should be dampened with water & excess water should be swept off.
- New concrete slabs shall be damp cured and 28 days old before application which will reduce the shrinkage from tile fixing surface.
- Expansion joints to be provided & filled with suitable sealant.
- Do not cover expansion joints with thin set tile adhesive/ tile.

MIXING

- Add 3- 3.5 parts of powder to 1 part of water or 5-6 litre water for 20 kg powder in a clean mixing vessel.
- Adjust the water as per desired consistency.
- Mix with a suitable mechanical stirrer or slow speed drills (50 -100 rpm) until a lump free homogeneous paste is obtained.
- Always mix required quantity, which can be consumed within pot life.
- Leave mixture for 5 minutes before use.
- No further water should be added.

Application Process



- 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.
- or 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 Fabrogold 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.

Technical Information

Performance properties as per is 15477:2019 (Type '3' TS1)

Testing Properties	Requirments	Testing Result
a) Tensile adhesion at dry condition, after 28 days	$\geq 1.5 \text{ N/mm}^2$	$\approx 1.80 \text{ N/mm}^2$
b) Tensile Adhesion at Wet condition	$\geq 1 \text{ N/mm}^2$	$\approx 1.50 \text{ N/mm}^2$
c) Shear Adhesion at Dry Condition	$\geq 1.5 \text{ N/mm}^2$	$\approx 2.10 \text{ N/mm}^2$
d) Shear Adhesion at Wet condition	$\geq 1 \text{ N/mm}^2$	$\approx 1.85 \text{ N/mm}^2$
e) Shear Adhesion at Heat Ageing	$\geq 1 \text{ N/mm}^2$	$\approx 1.71 \text{ N/mm}^2$
f) Slip resistance	$> 0.5 \text{ mm}$	$\approx 0.21 \text{ mm (T)}$
g) Deformation	$\geq 2.5 \text{ mm, } 5 \text{ mm}$	$\approx 4.5 \text{ mm (S1)}$

all test results are for a specified batch of material and practical values are subjected to deviation up to $\pm 10\%$ to 15% as per the practical implications by various technician under specified laboratory equipments & 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. 120 minutes
• Adhesive Thickness	3 -12 mm
• Setting/ Trafficable/ Grouting Time	72 hours

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 48 hours.
- Leave gap between the tile & fill gap with Fabrogold 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).

COVERAGE

- Approx. 2.5-3.6sqmt'/ 20 kg Bag at 3 mm thickness (using 6 mm x 6 mm notch).
- coverage will vary depending on trowel notch size, size of tile and substrate smoothness and evenness.

SHELF LIFE

12 months for sealed pack when stored under cover, out of direct sunlight,

GROUTING

Grouting should be carried out after 24 hours of tiling. Use the appropriate grouting material from Fabro gold range of cementitious and epoxy grouts.

SAFETY 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. Limited to professional use only.

For more details please refer the relevant Material Safety