

TA Flexi White

**Modified Polyurethane
Multipurpose Adhesive For Tile &
Stone**

**Pack Size
12.5Kgs**

**TDS
Technical Data Sheet**



Description

TA FLEXI White is a two-part, white adhesive comprising rubber-based powder and water-based polymer liquid. It is designed as a flexible adhesive for use in areas where tiling is subjected to limited background movement or vibration, especially on wood, plywood, and metal surfaces.

Performance

This high-performance flexible adhesive is suitable for use in fixing wall and floor tiles, glass mosaics, vitrified tiles, and natural/engineered stones in interior and exterior installations, including swimming pools. Suitable for fixing tiles with bed thicknesses ranging from 2-10mm. Floors should be protected from foot traffic for 24 hours post-installation. For dense or impervious surfaces, the drying and setting times of the adhesive may be delayed.

Standard

Conforms to EN 12004: 2017 and meets the classification of a highly deformable (S2), improved (2), cementitious adhesive (C) with extended open time (E) of class C2ES2.

Features

- High-performance flexible adhesive
- Suitable for wood and metal surfaces
- High tensile strength
- Water and frost resistant
- Suitable for both interior and exterior locations
- Ideal for submerged conditions

Physical Properties

Bed Thickness:	2-10 mm
Pot Life:	40-50 mins
Setting Time:	24 hours
Temperature Resistance:	Prolonged conditions -50°C, limited conditions up to 80°C
Mix Density:	Approx. 1.20g/cc

VOC Content:	3.84 g/l
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Properties As per EN 12004: 2017

Tensile Adhesion Strength (Clause 8.3)	Initial: $\geq 1.00 \text{ N/mm}^2$, Result: $> 1.70 \text{ N/mm}^2$ After water immersion: $\geq 1.00 \text{ N/mm}^2$, Result: $> 1.50 \text{ N/mm}^2$ After heat aging: $\geq 1.00 \text{ N/mm}^2$, Result: $> 1.85 \text{ N/mm}^2$ After freeze-thaw cycles: $\geq 1.00 \text{ N/mm}^2$, Result: $> 1.70 \text{ N/mm}^2$
Open Time @ 30 mins:	Tensile Adhesion Strength $\geq 0.50 \text{ N/mm}^2$, Result: $> 0.64 \text{ N/mm}^2$
Transverse Deformation (Clause 8.6):	$\geq 0.50 \text{ mm}$ (for S2), Result: $> 10 \text{ mm}$

Coverage Estimates

Pack Size: 12.5 Kg

Coverage: Approx. 1.10 - 1.20 kg/m²/mm

Notch Trowel Size | Consumption/m² (@ 45° angle of trowel):

4mm X 6mm | 1.6 - 1.65 Kgs

6mm X 6mm | 2.4 - 2.5 Kgs

8mm X 6mm | 3.2 - 3.3 Kgs

12mm X 12mm | 4.8 - 5.00 Kgs

20mm X 20mm | 7.80 - 8.20 Kgs

Note: Coverage will vary depending on the flatness and nature of the surface.

Application Instructions

Substrate Preparation Ensure that the base is flat enough to support the specified thickness of adhesive. Surfaces must be dry, clean, and free from contamination.

Surface Considerations

Gypsum Plasterboard: Ensure boards are dry, secure, and have no protruding fixings.

Plywood/Chipboard/Fibre-Reinforced Cement Sheets: Ensure boards are dry, rigid, and securely fixed. Do not seal or prime.

Glazed Tiles: Ensure tiles are firmly adhered. Remove loose tiles and make good with a 1:3 cement-sand mortar over a slurry bonding coat.

Painted Walls: Check for soundness by applying strips of cello tape. If paint is removed, strip and clean the surface.

Steel Backgrounds: Ensure surfaces are firm, rigid, and free from rust or grease. Treat with a rust inhibiting primer if needed.

Mixing

Mix liquid and powder in the proportions supplied (4.50 kg of liquid to 8.00 kg of powder).

Application

Spread the mixed adhesive evenly over the prepared surface, using a notched trowel. Tiles should be pressed into place with a twisting and sliding action, ensuring a solid bed fix. Check periodically for contact with the back of the tiles. Clean off any surplus adhesive immediately.

Spacers

Use spacers for uniform joint width.

Grouting

Grouting should be done after 24 hours using appropriate cementitious or epoxy grouts.

Cleaning

Tools and containers should be cleaned with water while the adhesive is still fresh. Hardened adhesive can be removed mechanically.

Storage and Shelf Life

LIFE TA FLEXI White has a shelf life of 12 months when stored in normal dry conditions.

Precautions

Keep out of reach of children. Wear protective clothing, gloves, and eye/face protection. In case of contact with skin or eyes, rinse immediately with plenty of water and seek medical advice.

Pack Size

12.5Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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