

POLYFIX 555 ADHESIVE



Description: Poly-fix 555 is two components, modified, Polyurethane Adhesive with high flexibility. It is reinforced with high tensile and shear bond strength which does not allow vertical slip while vertical cladding both inside and outside.

Applications: Designed for both interior and exterior installations on floor and wall for all types of ceramic tile, vitrified tile, glass mosaic tile, precast terrazzo, engineered stone, metal tiles, natural stones, tiles over concrete, metal substrates and drywall boards.

Advantages: • High Flexibility & High bond strength
• Excellant for vertical Applications • Vibrations & shock proofed
• Suitable for all the substrates including metal • Water & moist resistant
• Any tiles/stones on any surface

Suitable Substrates: • Concrete • Cement mortar beds/plaster
• All type of tile/stone • All type of wood/plywood* • Concrete masonry
• Plaster/ cement backer board* • Brick masonry • Cement Terrazzo
• Gypsum board*



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TECHNICAL INFORMATION

Application Properties

Application Properties	Test Results
Applicable Standard	IS 15477 : 2019 Type 5TS2
Bed Thickness	3 mm
Open Time	40 Minutes
Adjustment Time	40 Minutes
Pot Life	> 1 hour
Coverage	15 to 20 Sq. ft @ 2 mm bed thickness with square notch trowel 3 mmx3 mm (may vary depending on trowel notch size and substrate smoothness and evenness.)
Application Temperature	10°C to 35°C
Time for Grouting / Traffic	24 hours
Packaging	4 Kg
Colour	Off White after mixing
Shelf life	12 Months from the date of mfg

PERFORMANCE PROPERTIES AS PER IS 15477:2019 TYPE 5TS2

Testing Method	Requirement	Test Results
(i) Tensile Adhesion Strength (Clause 5.1) A) Dry Condition B) Wet Condition	$\geq 2.0 \text{ N / mm}^2$ —	2.30- 2.60 N / mm ² —
(ii) Shear Adhesion Strength (Clause 5.2) A) Dry Condition B) Heat Aging Condition C) Wet Condition	$\geq 6.0 \text{ N / mm}^2$ $\geq 3.0 \text{ N / mm}^2$ —	6.20-7.20 N / mm ² 3.10- 3.20 N / mm ² —
(iii) Deformability (Clause 5.6)	$\geq 0.5 \text{ mm}$	$\geq 30 \text{ mm}$

Note: Test results mentioned are typical reflecting method of standard procedures used. Actual field performance may vary depending on installation methods and site condition.

ALASKA BONDING SOLUTION

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