

FLEX STAR ADHESIVE



Description: The multipurpose high polymer modified thin-set adhesive offering vast applications for interior & exterior areas. It is cementitious powder to be mixed only with water to install various types of medium & large format tiles & stone on variety of substrates using thin-set compliance.

Applications: Designed specially for interior & exterior floor & wall installations of all types of ceramic tiles, vitreous tiles, semi-vitreous tiles, glass mosaic tiles, precast terrazzo and natural stones over concrete, cement renders, screeds

Advantages: • Polymer modified thin-set adhesive • Highly flexible yet strong on bond strength • Suited for demanding external applications • Suitable for mosaic and various tiles & stones • Water and shock resistant

Suitable Substrates: • Concrete • Cement mortar beds • Ceramic Tile and Stone • Concrete masonry • Cement plaster • Cement backer board* • Brick masonry • Cement Terrazzo • Gypsum wall board*



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TECHNICAL INFORMATION

Application Properties

Application Properties	Test Results
Applicable Standard	IS 15477 : 2019 Type 4TS1
Bed Thickness	3 to 12 mm
Open Time	30 Minutes (Approx)
Adjustment Time	Upto 30 Minutes
Pot Life	2 Hours Minimum
Coverage	25 to 30 Sq.ft @ 5 mm bed thickness with square notch trowel 6mmx6mm (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	20 Kg
Colour	Grey and White
Shelf life	12 Months from the date of mfg

PERFORMANCE PROPERTIES AS PER IS 15477:2019 TYPE 4 TS1

Testing Method	Requirement	Test Results
(i) Tensile Adhesion Strength (Clause 5.1) A) Dry Condition B) Wet Condition	$\geq 1.5 \text{ N / mm}^2$ $\geq 1.0 \text{ N / mm}^2$	1.65- 1.75 N / mm ² 1.40- 1.50 N / mm ²
(ii) Shear Adhesion Strength (Clause 5.2) A) Dry Condition B) Heat Aging Condition C) Wet Condition	$\geq 1.5 \text{ N / mm}^2$ $\geq 1.0 \text{ N / mm}^2$ $\geq 1.0 \text{ N / mm}^2$	1.75-1.85 N / mm ² 1.20- 1.30 N / mm ² 1.25 - 1.35 N / mm ²
(iii) Slip Resistance (Clause 5.5)	$\leq 0.5 \text{ mm}$	0.3 - 0.4 mm
(iv) Deformability (Clause 5.6)	$\geq 2.5 \text{ mm}, < 0.5 \text{ mm}$	2.6 mm-2.7 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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