

Document Type: TDS

Product Name: Stalwart Nue Tile

Technical Datasheet

Physical Properties:

Property	Value
Mixing Ratio (powder: water)	18 – 25 % by weight
Open Time (IS 15477:2019)	Approx. 20 min
Adjustability (Is 15477:2019)	Approx. 30 min
Pot life	>=30 minutes
Tensile Adhesion Strength	>= 0.5 N/mm ²
Application Substrate/Material Temperature	7 C – 35 C
Adhesive Thickness	3 – 12 mm
Initial Setting Time (low foot-traffic and grouting)	24 hours

PERFORMANCE PROPERTIES AS PER IS 15477: 2019 (TYPE 1T converted to N/mm²)

Discipline (Mechanical Testing)

Sr	Test Parameters	Test Method	Observed values*	Specifications As per IS 15477:2019
1	Tensile Adhesion Strength(N/mm ²)	IS 15477:2019		For Type 1 Adhesive
	Dry Condition (28 Days)		0.8 – 1.2	Min 0.5
	Wet Conditions (28 Days)		0.6 – 0.9	-
2	Shear Adhesion Strength(N/mm ²)			For Type 1 Adhesive
	Dry Condition (28 Days)		4.0 – 5.1	Min 1.0
	Heat Conditions (28 Days)		4.0 – 5.0	-
	Wet Conditions (28 Days)	4.4 – 5.2	-	

* All above displayed values are derived from testing in 3rd party lab tests in controlled environment following the recommended application guidelines. Results may vary based on actual physical environment and application behavior.