

Document Type: TDS

Product Name: Stalwart Nue UltraFlex

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 | >= 1.5 N/mm ² |
| Application Substrate/Material Temperature | 7 C – 35 C |
| Adhesive Thickness | 3 – 14 mm |
| Initial Setting Time (low foot-traffic and grouting) | 24 hours |

PERFORMANCE PROPERTIES AS PER IS 15477: 2019 (TYPE 3T 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 3 Adhesive |
| | Dry Condition (28 Days) | | 1.5 – 2.25 | Min 1.5 |
| | Wet Conditions (28 Days) | | 1.3 – 1.90 | Min 1.0 |
| 2 | Shear Adhesion Strength(N/mm ²) | | | For Type 3 Adhesive |
| | Dry Condition (28 Days) | | 4.6 – 6.5 | Min 1.5 |
| | Heat Conditions (28 Days) | | 4.5 – 7.5 | Min 1.0 |
| | Wet Conditions (28 Days) | 4.5 – 7.0 | Min 1.0 | |

* 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.