STRONG BOND PUA 0212

RTS2 Type 5 Two-Component Polyurethane Adhesive · R2T

Multipurpose, two component, polyurethane thinset adhesive for fixing tiles and stone on interior and exterior floor & wall. Suitable for various drywall substrates including metals and glass.

IS 15477:2019 TYPE 5 TS2	**EN / ISO R2T CLASS**	**4 / 8 / 10 KG PAIL PART A : PART B = 1 : 4**	**INTERIOR & EXTERIOR FLOOR & WALL**

FEATURES & BENEFITS

- Two components, just mix and use
- High strength, chemical resistant
- Economical & easy to use
- Bonds to various substrates including metals
- Complies to EN/ISO with an R2T classification
- Meets and exceeds IS 15477:2019 requirements as Type 5 TS2
- Water, freezing, thermal shock resistant
- Flexible and heat resistant

SUBSTRATES

- Concrete – VDF, Tremix and MIVON
- Concrete masonry & brick masonry
- Cement mortar beds & plaster
- Metal floors and walls
- Tile and stone
- Wood & plywood**
- Cement backer board** & gypsum board**
- Cement terrazzo
- Engineered stones & marbles
- Epoxy or PU resin based substrates
- Rubber, PVC and linoleum substrates

***Consult the backer board manufacturer's data sheet for the specific recommendations and load bearing capacity of the specific board intended for use.*

Application — Designed especially for interior and exterior floor and wall installations of all types of ceramic tile, vitreous, semi-vitreous tile, glass mosaic tiles, precast terrazzo, engineered stone, metal tiles and natural stones over concrete and on a variety of substrates including metal, glass substrates and drywall boards.

WORKING PROPERTIES — at 70°F (21°C)

Pot Life	Open Time (EN 1346)	Adjustability	Foot Traffic	Grouting	Before Normal Use
> 1 hour	> 1 hour	> 1 hour	24 hours	24 hours	3 days

2.4–2.8 N/MM² DRY TENSILE (IS)	**6.5–7.5** N/MM² DRY SHEAR (IS)	**> 1 hour** OPEN TIME	**15–17 ft²** COVERAGE / 8 KG PACK

EN / ISO — PERFORMANCE DATA

Property / Test Method	Requirement	Typical Value
Vertical Slip (EN 1308)	≤ 0.5 mm	**0.1 – 0.2 mm**
Tensile Adhesion – open time not less than 20 min (EN 1346)	≥ 0.5 MPa	**1.5 – 1.8 MPa**
Initial Shear Bond (EN 12003, Clause 7.3)	≥ 2.0 MPa	**2.2 – 2.6 MPa**
Tensile Adhesion – Water Immersion (EN 12003, Clause 7.4)	≥ 2.0 MPa	**2.15 – 2.3 MPa**
Shear Adhesion after Thermal Shock (EN 12003, Clause 7.5)	≥ 2.0 MPa	**2.15 – 2.25 MPa**

IS 15477:2019 — PERFORMANCE DATA

Property / Test Method	Requirement	Typical Value
Vertical Slip (Clause 5.5)	≤ 0.5 mm	**0.2 mm**
Tensile Adhesion – Dry Condition (Clause 5.1)	≥ 2.0 N/mm²	**2.4 – 2.8 N/mm²**
Shear Adhesion Strength – Dry Condition (Clause 5.2)	≥ 6.0 N/mm²	**6.5 – 7.5 N/mm²**
Shear Adhesion Strength – Heat Ageing (Clause 5.2)	≥ 3.0 N/mm²	**3.2 – 3.4 N/mm²**

Applicable standards: EN 12004 & ISO 13007; IS 15477:2019. Specifications subject to change without notice. Results shown are typical and reflect the test procedures used.

GENERAL PROPERTIES

Property	Value
Appearance	Off white after mixing
Mixed Density	1800 kg / cubic metre
Application Temperature	12°C to 40°C
Vertical Slip	< 0.5 mm (EN 1308)
Packaging	10 kg, 8 kg & 4 kg pail (Part A : Part B = 1 : 4)
Colour	Part A: pale yellow | Part B: white
Shelf Life	12 months from date of manufacture, unopened, in a cool, dry place between 10°C and 35°C

COVERAGE

15 to 17 ft² per pack of 8 kg with a 1/4" × 1/4" (6 mm × 6 mm) square notched trowel for a bed of 3 mm. Coverage will vary depending on trowel notch size, type and size of tile and substrate smoothness and evenness.

SURFACE PREPARATION

All surfaces should be between 40°F (4°C) and 95°F (35°C) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, laitance, concrete sealers or curing compounds. Substrates must be compact and consistent, free from any rising dampness, with no loose, flaky or imperfectly anchored parts. The substrate must be stable, without cracks, and must have already completed the curing period of hygrometric shrinkage. Uneven areas must be corrected with suitable smoothing and finishing products. Installation shall be made on a dry surface. New concrete slabs must be damp cured and at least 28 days old prior to application. All slabs must be plumb and true to within 1/4" (6 mm) in 10 ft (3 m). Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints".

MIXING

Prepare STRONG BOND PUA 0212 by mixing parts A and B from the bottom upwards, using a low-rev (approx. 400/min) helicoidal agitator, at the preset ratio of 1 : 4 of the packs. Pour part B into the bucket containing part A, taking care to mix the two parts uniformly until a smooth, even coloured mixture is obtained. Mix only a quantity of adhesive that can be consumed within 1 hour at +25°C / 50% R.H.

Packs of STRONG BOND PUA 0212 adhesive must be stored at a temperature of approx. +25°C for at least 2–3 days prior to use.

GROUTING

Begin grouting after a minimum of 24 hours curing time at 70°F (21°C). Grout with STRONG BOND Sanded or Unsanded Grout. For maximum stain resistance of external spacer joint applications, use STRONG BOND Stellar Grout.

Before grouting — remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners; if acid cleaners were used, wash the area with plenty of water to remove acidic particle remains from the joints before commencing grouting. Substrate temperature must be at least 60°F (16°C).