

Adhesives & Sealants

A paintable acrylic cornice sealant and a solvent-free two-part PU panel adhesive, formulated for EPS bonding.



Overview

Technopol SA supplies two lab-tested bonding products developed to work alongside its EPS range. DB Acrylic Sealant is a paintable, plastic-elastic acrylic-dispersion sealant for interior and exterior finishing and the fixing of EPS cornices. The PU Part A + B Adhesive (PU6) is a two-component, solvent-free urethane engineered for laminating polystyrene sandwich panels in the cold-room and insulated-panel industry — it cures dimensionally stable with no shrinkage, resists water when cured, stays flexible down to -45°C , and develops a bond tensile strength of 8–10 MPa at 25°C .

Applications

- Fixing EPS cornices — DB Acrylic Sealant is the cornice adhesive (5 kg pail covers approx. 20 lengths)
- Sealing connection joints between cornices, stairs, walls, ceilings and skirtings
- Sealing windowsills and wooden or metal window frames
- Sealing concrete and brickwork joints
- Laminating polystyrene sandwich panels for cold rooms and insulated panels (PU6)
- Bonding EPS to wood, galvanised iron, Chromadek, GRP and Perspex sheeting (PU6)
- Bonding PVC to masonry and rubber sheeting to concrete (PU6)

Benefits

- Both products are lab-tested for long-term durability and reliability
- DB Sealant cures to a soft, paintable plastic-elastic rubber; non-corrosive when cured; interior and exterior use
- PU6 is solvent-free and cures dimensionally stable with no shrinkage and excellent gap-filling
- PU6 bond stays flexible to -45°C and is water-resistant once cured
- High PU6 bond tensile strength of 8–10 MPa at 25°C
- Wide PU6 substrate compatibility — EPS, metals, GRP, wood, PVC and rubber

Specifications

DB Acrylic Sealant — base	Acrylic dispersion, one-part; white
DB cured finish	Soft plastic-elastic rubber; paintable with water-based paints; non-corrosive
DB pack sizes	280 ml cartridge; 5 kg pail
DB coverage (as cornice adhesive)	5 kg \approx 50 m (20 lengths); 280 ml \approx 5 m (2 lengths)
PU6 type	Two-component urethane (poly-isocyanate / MDI reaction), solvent-free
PU6 mixing ratio	6:1 by weight (Part A : Part B); 4.5:1 by volume
PU6 spread rate	300–400 g/m ² per bonding surface
PU6 bond tensile strength	8–10 MPa at 25°C
PU6 pot life / cure	Pot life 20–30 min (20°C); clamp within 20 min, hold min. 4 h; 7 days full cure at 25°C
PU6 heat resistance / service temperature	Bond heat-resistant to 148°C (short-term, PU6 TDS); recommended service -40 to $+50^{\circ}\text{C}$

Fire & compliance: The adhesives and sealants carry no reaction-to-fire (Euroclass) or fire-resistance classification of their own; the mixed PU6 adhesive is classified non-combustible and non-hazardous for shipping purposes only. PU6 Part B contains an isocyanate component — harmful by inhalation and a potential skin sensitiser — so follow the SDS handling precautions.

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