

DESCRIPTION

MS-PU is a one-part Modified Silane Polyurethane-based elastomeric hybrid sealant and adhesive with extremely high flexibility & adhesion properties.

FEATURES & BENEFITS

- VOCs Free
- Isocyanate Free
- Excellent adhesion to most building substrates
- Instant adhesion & fast skinning time
- UV Stable
- Joint flexibility 25%
- Excellent bond breaker material
- Paintable
- Acoustic Rated

SUITABLE FOR

- Bond breaker beneath waterproofing
- General sealing of construction joints
- Sealing of sheet metal & building cladding
- Use with ACT WP-1 Waterproof Membranes
- Perimeter sealing of doors & windows
- Precast & Tilt Panel expansion joints
- Internal & External applications
- Expansion & connecting joints in tiling systems
- Areas covered under AS3958.1-2007
- Concrete, Render, Brick, FC Sheeting, Scyon & Cemintel boards substrates
- Rubber, Glass, Copper, Steel & most plastics.

PERFORMANCE DATA

Property	Standard	Result
Specific Gravity		~ 1.6
Slump Resistance	ISO 7390	Excellent
Joint Movement	ISO 11600	25%
Hardness	Shore A - 24H Shore A - 7D	30 40
Elongation		@ break 450%
Service Temperature		-40°C to +80°C (cyclic)
Solid Content		98%
Tensile Strength		1.5MPa

COVERAGE

Joint Size (mm)	5x5	5x10	5x15	10x10	10x15	15x15	15x20	15x30
Lineal Metre per 600ml	24	12	8	6	4	2.7	2	1.3

CURE TIME

Skinning Time: 15 mins.

Cure Rate: 3mm per 24 hours at 23C° and 50% RH.

SUBSTRATE PREPARATION

Surfaces must be clean, dry and free of dirt, grease, oil or water. Remove any excess adhesive and grout from joints and ensure joints are clean and dry. If required rake joints to ensure a maximum, uniform joint depth is achieved. Lightly contaminated surfaces should be wiped with Isopropyl Alcohol using a clean lint free cloth. A dry clean cloth should be used to remove contaminant and dry the surface. **Do not allow Isopropyl Alcohol to dry on surface.**

APPLICATION

Install an approved round polyurethane backing rod to control the depth of sealant. Use correct size backing rod to achieve recommended compression (Approx. 20-30%). A self-adhesive bond breaker tape can be used when the joint shape does not allow the use of joint backing. Dry tooling is recommended immediately after application of sealant.

CLEAN UP

Best results are obtained by masking prior to sealing to avoid the necessity for clean-up. However, if sealant is applied to areas where it is unwanted, clean up uncured sealant using acetone and a cloth. Cured material may be removed mechanically.

SHELF LIFE

In unopened original packaging for up to 18 months when stored in a cool, dry environment and out of direct sunlight.

SAFETY DIRECTIONS

ACT Australia supports best practice in material handling. Provide good ventilation- open doors and windows and use circulating fans. Appropriate gloves, masks, safety glasses and protective clothing should be worn. If product comes in contact with skin, it can be washed off with water before drying. If swallowed drink plenty of drinkable water and seek medical advice, do not induce vomiting. In case of contact with the eyes, rinse with clean water or eye wash solution and seek medical advice.

LIMITATIONS

- Do not apply sealant in temperatures below 5°C and above 27°C.
- Do not apply sealant in hot and windy conditions.
- Not suitable for exposed joints in fully immersed applications. Must be waterproofed with ACT WP-1 "The Pink One" Waterproof Membrane.
- If in doubt, contact **ACT Australia Technical Service.**

