

DESCRIPTION

A solvent free, hydrophobic polyurethane designed to protect cracks and joints in concrete & asphalt. ASP1000 protects from water ingress by penetrating and sealing, forming a tough semi flexible sealant withstanding ponding water and vehicular traffic. Available as either a binder/adhesive sealant or combined with special aggregates & fillers either dispersed in product for void & expansion joint filling, or broadcast for non-skid applications over concrete or asphalt.

USES & ADVANTAGES

ASP1000 is a 2K Industrial Polyurethane to aid specialist contractors in the fast repair of concrete & asphalt. Used for sealing cracks, expansion joints, abutments between asphalt pavements and utilities, concrete slab construction joints, sealing around poles, posts and general penetrations in concrete & asphalt surfaces.

FEATURES

- Solvent free and non-flammable
- Pourable and self levelling application
- Addition of aggregate provides for fill and repair.
- Penetrates and fills depth of crack.
- Prevents weeds and plant growth through sealed crack
- Phthalate free resins.
- Water impenetrable after 20 minutes (at 21°C)
- Rapid curing

COVERAGE

Theoretical Spread Rate (self-level):
1.6 – 1.8 Kg/m²

Important: Ensure ASP1000 is well mixed.

LIQUID PROPERTIES

	POLYOL	ISOCYANATE
Appearance	Light Grey/ or Black	Light Brown
Viscosity	4,300cPs	70-100cPs
SG	1.06	1.23
MIXED MATERIALS		
Mixing Time	3-4 Minutes with Power Stir	
Working Time	15 - 20 minutes	
Initial Gel	20 minutes (Tack Free 30-40 minutes)	
Cure Time to service	4 – 5 hours (21°C)	
Full Cure	7 Days	

PACKAGING

13.3kg POLYOL Component plus 5kg MDI Component

MIX RATIO (By Volume)

3:1 (POLYOL: MDI)

CURED PROPERTIES

Shore Hardness (No Fill – Liquid Only)	DIN 53505	38-40 D
Shore Hardness With Quartz Agg	DIN 53505	50 D (1:1 Quartz) 65 D (1:2 Quartz)
Tensile Strength	DIN 53455	8-10 N/mm ²
Elongation (No Fill – Liquid only)	DIN 53455	65% - nil agg 30 % 1:1 by weight added agg
Elongation (with Fill)	DIN 53455	55% (1:1 Quartz) 43% (1:2 Quartz)
Tear propagation	DIN 53515	21 KN/m
Taber Abrasion Resistance	DIN 53754	110-115 mg
Water Vapour Transmission	E96-05 (B)	0.19 g/(m.hr) 4.50 g/(m.24hr)
Water Absorption	AS 3558.1	≤1.00%

STORAGE AND HANDLING PRECAUTIONS

To prevent ingress of moisture, drums must be kept tightly sealed when not in use.
Recommended storage temp; 20-30 Deg C
Under these conditions this material has a minimum storage stability of 12 month.

HEALTH & SAFETY ADVICE

Refer to Crest Cormix Pty Ltd for ASP1000 safety data sheets for individual components of this material. Avoid skin & eye contact. Wear rubber gloves and safety goggles. Hands should be cleaned with cleaner followed by soap & water. Avoid breathing vapors & use with adequate ventilation.

Important: Do not apply ASP1000 to damp concrete or asphalt. Please refer to "Surfacer 1000" 1 K special primer for these situations.

QUALITY ASSURANCE

ISO 9001:2015



Manufactured in Australia
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