

SVENIC POLYUREA JOINT SEALANT

2 PART HORIZONTAL TRAFFICABLE SEALANT

Version 1 Date of issue 04/10

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DESCRIPTION

Svenic Polyurea Joint Sealant is a high performance, two-part, elastomeric, hybrid polyurea. The product is formulated as a fast cure, horizontal trafficable joint sealer but is also suitable as a low build flexible spray coating.

PRODUCT APPLICATIONS

- For use to fill and protect joints in industrial concrete floors subjected to heavy or hard-wheeled vehicles.
- It is also ideal for spalled joint repair, random joint filling, joint edge patching.
- Low build spray coating applications.

FEATURES & BENEFITS

- Heavy duty trafficable formulation.
- Insensitivity to moisture
- Easy 1:1 mix ratio.
- 100% solids
- Self leveling
- Rapid cure time, traffic ready in 45-75 minutes.
- Available in bulk or easy 2 part ratio pack kits of 600ml total mix.
- Excellent abrasive & chemical spill resistance

PHYSICAL PROPERTIES & PRODUCT SPECIFICATION

Typical Chemical Analysis	"A" Component	"B" Component
Viscosity @25°C, ASTM D-1638	1000 cps	1100 cps
Physical State	Liquid	Liquid
Colour	Clear with Yellow Tint	Grey
Specific Gravity	1.10	1.06
Hygroscopicity	Reacts with water and evolves CO ² gas	Absorbs water rapidly, thus changing the ratio
Material Metering Ratios	"A" Component	"B" Component
Parts by volume (total mix 100 parts)	50 parts	50 parts
Parts by weight (total mix 100 parts)	50 parts	50 parts
Reaction Profile	(100 grams, 25°C Sample)	
Gel Time, minutes	3 – 4	
Traffic Ready, minutes	45 - 75	
Typical Physical Properties	Results	
Shore A Hardness	75 – 80	
Shore D Hardness	25 – 29	
Tensile Strength	7.8 MPa	ASTM D-638
Elongation	341%	ASTM D-638
Tear Strength	1.2 MPa	ASTM D-624

LIMITATIONS

- Requires mixing or plural component application equipment.
- Not recommended for use in fully submersed applications.
- Long term UV light exposure may result in surface colour deterioration.
- Horizontal joint sealing only. Not suitable for ramps or sloping applications.
- Use in cold temperatures will slow or arrest the curing process and increase the product viscosity. In extreme cold, joint surface adhesion bond will be inhibited
- Will not bond to wet or damp surfaces. Repairs and patching of new concrete must only be carried out after concrete achieves full cure and moisture loss of 28 days.
- If used in spray applications, product may slump if applied in high build.

SURFACE PREPARATION

Joints should be saw or grinder cut to a depth of 20mm minimum. All surfaces to be jointed or repaired must be dry, and clean of any surface contaminates, curing compounds, old jointing compounds and loose laitance

PRIMING

No priming is necessary

APPLICATION EQUIPMENT

Mix ratio 1:1

BULK MIXING: Premix each component prior to combining to ensure settlement or suspension separation will not result in uncured or improperly mixed material. When mixing ensure air is not introduced which will cause bubbling formation. A slow speed drill and mixing paddle should be used to ensure thorough mixing.

RATIO PAK CARTRIDGES: Cartridges should be dispensed using the correct manual or air applicator. Static mixer nozzles supplied with the cartridges are profiled to the correct ratio mix. If the full kit is not dispensed, remove and discard the static mixer and replace cartridge 'D' plugs and top nut immediately to eliminate cross contamination. A new static mixer must be used for any further applications.

APPLICATION INSTRUCTIONS

If mixing bulk, ensure enough area is prepared to apply and seal the yield amount of product mixed within the initial gel time of 3-4 minutes.

Excess material can be shaved off to provide a seamless slab to slab surface.

PACKAGING

300:300ml cartridge kits packed in cartons of 10 with static mixers (product code UJSAR 600)

750:750ml cartridge kits packed in cartons of 4 with static mixers (product code UJSAR 1500).

Bulk: 10 Lt pails (Product code UJSAR 10L A, 10L B) and;
200 Lt drums (Product code UJSAR 200L A, 200L B).

STORAGE

Store in above ground locations, covered and dry as components are susceptible to moisture contamination. Shelf life is 12 months if stored in recommended conditions and in temperatures between 15°C and 30°C.

CLEANING

Clean equipment with suitable solvent for removing fresh, uncured material from application equipment or substrates. Cured adhesive can only be removed by mechanical means.

PERSONAL HEALTH & SAFETY

All personal OH&S standards and precautions must be adhered to when using this product. Product MSDS risk and safety phases along with safe handling procedures must be implemented.

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1. Material Safety Data Sheet will be forwarded with all orders
2. The information is of a general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement.
3. Properties shown are typical and do not imply specification tolerances.
4. SVENIC Australia Pty Ltd cannot accept liability for loss or damage through use.
5. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful applications depend upon the nature and conditions in which the products are supplied.
6. Users must, by comprehensive testing, evaluate this product in their own application.



Svenic Australia PTY LTD
2/5 Enterprise Street
Molendinar QLD 4214
Australia

Tel: +61 7 5539 2255
Fax: +61 7 5539 1255
Website: www.svenic.com.au
Email: info@svenic.com.au
