

SVENIC FINE CRACK INJECTION PU

ONE PART HYDROPHOBIC POLYURETHANE

Version 1 Date of issue 04/10

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DESCRIPTION

SVENIC FINE CRACK INJECTION PU is a polyurethane foam fine crack sealer. This single component system is hydrophobic in nature with outstanding physical properties. The resin is designed to expand on immediate direct moisture contact pushing out the water which effectively seals the crack or void from the inside out.

PRODUCT APPLICATIONS

- Designed to seal active seeping or mildly leaking fine joints and hairline cracks, voids or fractures in concrete structures and solid masonry substrates.
- Suitable for cracks in commercial, domestic and civil applications.

FEATURES & BENEFITS

- Single pack
- Rapid expansion reaction with moisture
- Low fluidity viscosity means easy injection
- Unaffected by corrosive environments
- 100% solids
- Semi flexible
- Suitable for fine infiltrations
- Non shrinking permanent seal
- No volatile solvents
- Non toxic

PHYSICAL PROPERTIES & PRODUCT SPECIFICATION

<i>Typical Properties</i>	<i>Results</i>
Viscosity	300 ± 100 cps
Specific Gravity	1.08
Color	Amber
Density	80 kg/m ³
Elongation	140%
Tensile Strength	175 kPa
<i>Reactivity on Contact With Water</i>	
Cream Time	60 seconds
Rise Time	7 minutes

LIMITATIONS

- The product is non trafficable and repaired cracks/joints must be covered by a suitable trafficable sealant.
- Although flexible in cured nature the product is not recommended for high movement joints
- Not designed for high flow or gushing water applications. Svenic ISP should be used for high to massive leaking joints and where water temperatures are down to 5°C.
- Not recommended for application in cold water temperatures below 18°C.
- Poor chemical resistance to some concentrated acids, ketones and solvents.
- If used in extremely low site temperatures pre heating of product may be necessary. Do not heat above 33°C (90°F) when warming.

SURFACE PREPARATION

No specific surface preparation is necessary. The resin can be injected into both horizontal and vertical joint repair applications. Pre wet surface areas to be injected will assist in removal of excess cured resin.

APPLICATION EQUIPMENT

Correct crack injection port systems must be selected and suitable to address the nature and severity of the repair required. Contact Svenic for recommended barrel applicators, injection flange or port selections.

APPLICATION INSTRUCTIONS

Svenic Fine Crack Injection PU is suitable for sealing hairline crack repairs in solid masonry and concrete in widths up to 3mm and is designed for use where its expansion is confined.

Low temperatures will increase the viscosity and decrease the reactivity. Product application is recommended at a minimum temperature of 10°C.

PACKAGING

10 Lt pails (product code PFIAR10L) and;
200 Lt drums (product code PFIAR200L)

STORAGE

Store in a covered, dry, above ground location in airtight containers. Product should not be exposed to the atmosphere until application. Product is moisture sensitive and contact should be avoided with wet or damp surfaces. In cold weather, the containers, to maintain liquid condition, should be stored in temperatures between 15°C and 30°C

SHELF LIFE

12 months if stored in recommended conditions.

CLEANING

Clean equipment with clean cloth or rags removing fresh, uncured material from application equipment. Cured resin can be removed by scraper or wire brushing. Solvents should be tested before applying. Some solvents such as; Acetone, Xylol, MEK and Toluols can be very aggressive. Personal health and safety should be considered before using solvents.

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.



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