

SVENIC MLS

POLYURETHANE HYDROPHOBIC MASSIVE LEAK SEALER

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DESCRIPTION

Svenic MLS Hydrophobic Polyurethane is 2 component system designed to stop massive leaks in concrete, and brick structures where water volume and pressure are extreme (10,000+gpm). It is formulated to have an instantaneous reaction time (1 second). Svenic MLS can be formulated to produce slower reaction times to meet site requirements.

PRODUCT APPLICATIONS

- Designed to seal active, high volume leaking cracks, voids or fractures in concrete structures, solid masonry wall substrates.
- Suitable for cracks in civil and commercial applications such as; tunnels, retaining walls, box culverts, pipe intrusions, and seawalls.

FEATURES & BENEFITS

- Immediate foam expansion reaction.
- Low viscosity allows easy injection
- Reaction can be controlled, slow or fast.
- Tough, rigid cured state.
- Good bond strength
- Solvent free
- Environmentally safe
- Resistant to a wide chemical range
- Non shrinking permanent seal
- Cold water (+5°C) compatible.

PHYSICAL PROPERTIES & PRODUCT SPECIFICATION

TEST TYPE	RESULTS	TEST METHOD
Density	2 lbs.	ASTM D-1622
Water Absorption (Volume Confined)	<1%	ASTM D-2127
Shear Strength	50 PSI	ASTM C-273
Tensile Strength	75 PSI	ASTM D-1623
Compressive Strength	40 PSI	ASTM D-1621
Elongation	5%	ASTM D-1623
Viscosity	250 CPS "A" Side	500 CPS "B" Side
Colour	Amber	
Class I	YES	ASTM E-84 @ 2 inches

LIMITATIONS

- Moisture activated, care must be taken at all times with storage and handling.
- Not recommended for high movement joints
- Not recommended for application in cold water temperatures below 5°C
- Non trafficable.
- Poor chemical resistance to some concentrated acids, ketones and solvents.

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 pumping equipment must be supplied to address the nature and severity of the repair required. Because of the fast reactivity of Svenic MLS, it requires a mixer (static or dynamic) near the end of nozzle. The Graco Hydra-cat or similar are the recommended pumping systems for the injection of Svenic MLS.

APPLICATION INSTRUCTIONS

Being a 2 part mix product, Svenic MLS foaming reaction will remain constant regardless of any water flow volumes it will encounter. Svenic MLS is designed for use where its expansion is confined within the void.

Svenic MLS can be used in water temperatures down to 5°C. Low water temperatures will increase the viscosity and possibly affect reactivity. Application air temperature range is best between 15°C to 30°C. Svenic MLS reaction times may be varied to suit the application specification. The product is supplied to react aggressively within 1 second of mixing producing rigid foam of constant volume.

A slower reaction formulation of Svenic MLS can be supplied, on request, if deeper void penetration is required. Lead times and minimum volumes apply.

CLEANING

Excess material should be wiped from all tools and equipment immediately after use. Ground surround spillages can be removed with sharp spade or wire brushing.

Pumping equipment should be cleaned in accordance with the manufacturer's instructions. Flush with a suitable solvent. Solvents should be tested before applying. Some solvents such as acetones can be very aggressive on hoses and rubber O rings etc, excess should be wiped and dried and excess removed immediately after use. Personal health and safety should be considered before using solvents.

PACKAGING

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

STORAGE

Store in a dry, covered 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 10°C and 32°C

SHELF LIFE

12 months if stored in recommended conditions.

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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- Material Safety Data Sheet will be forwarded with all orders
- 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.
- Properties shown are typical and do not imply specification tolerances.
- 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.
- Users must, by comprehensive testing, evaluate this product in their own application.
- SVENIC Australia Pty Ltd cannot accept liability for loss or damage through use.



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