

SVENIC STRUCTURAL EPOXY

2 PART EPOXY RESIN

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DESCRIPTION

Svenic Structural Epoxy is a two part, solvent free epoxy resin system in a non slump paste consistency.

Svenic Structural Epoxy combines ease of placement, high bond strength, impermeability to water with excellent chemical resistance.

Svenic Structural Epoxy is supplied in a two component ratio pack cartridges and dispensed by manual or air applicators through a static mixer ensuring correct mix and economical material use.

Svenic Structural Epoxy provides the versatility to solve the many repair and adhesive problems that cannot be achieved with single-pack products.

RECOMMENDED FOR

- Bonding wood, concrete, stone, and steel to concrete
- Patching pre-cast panels or tiles
- Filling holes in floors, walls, pipes, to feather edging
- Adhering injection nipples and flanges
- Grouting roof and wall bolts
- General purpose fixing and filling
- External reinforcement plate bonding

FEATURES AND BENEFITS

- No priming
- Excellent adhesion for structural bond
- Excellent holes and gap filler
- Equal part mix
- Colour coded A and B
- Wipes up with water
- Non sag on vertical surfaces
- Creamy consistency
- Fine feather edges
- Non-shrink

PERFORMANCE DATA

Typical Test Results (after 7 days at 23 ± 2°C)

Compressive Strength	84MPa	Solids content	100%
Tensile Strength	27MPa	Pot Life	45 minutes
Bond Strength to concrete	>3MPa	Low odour	Yes
Bond Strength to steel	>15MPa	Colour	Grey
Bolt Pull out	Failure in Bolt	Application Thickness	0.5-30mm
		Chemical Resistance	Excellent

SURFACE PREPARATION

All surfaces should be clean and dry. Laitance, dust, dirt, grease, old paint films etc. must be removed to ensure quality adhesion. Increase adhesion by roughening up surface by means of sparrow pick or scarified, to expose large particle aggregate. Remove all rust and contaminants from steel, preferably white metal blast. Roughen timber.

APPLICATION

Place the two component cartridges into a Svenic-Hand Operated Bi-mixer Applicator (Item No.300XPPM) which is set 300:300ml. (Air applicator options are available for large volume areas). Attach the static mixer to the open cartridges. Place the mixer nozzle end over a waste bin and pump the gun ensuring a mixed homogenized, even coloured paste extrudes. (The mixing of the black and white components should produce an even grey colour consistency).

Extrude the material direct into voids, cracks or onto area of repair.

When filling small holes or surface imperfections, spread evenly across with a putty knife or tiling trowel and feather off.

When using as an adhesive, spread on both surfaces and clamp together. Smooth with damp sponge or wet glove to wipe off excess or mould into shape.

When filling holes prepared for bolts, pump a slug of Svenic Structural Epoxy into the hole and follow with the bolt or rod.

Ensure that the hole is completely filled with the Structural Epoxy. If using overhead a retaining nut or quick set foam may be required to hold in place until full cure is achieved.

Do not use at temperatures of less than 8°C unless artificial means of heating can be used to assist cure. During cold weather the kit should be pre-warmed to between 20°C and 30°C.

ESTIMATING YIELD GUIDE (FOR SMOOTH SURFACE)

1 litre of Svenic Multi Purpose Structural Epoxy will cover 1m² at 1mm thick.

CURING

Product will hardening after 24 hours. Full cure will be achieved after 7 days.

SURFACE SET

Surface set will vary depending on ambient temperature, quantity mixed and placed. As a guide, surface will commence setting from 45 minutes at 23°C.

CLEANING

After use of tools and equipment, clean up with hot soapy water and rags. Old material, which has started to harden, can only be removed with thinner or solvent.

PACKAGING

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

STORAGE

Storage between 8°C and 30°C is recommended.

SHELF LIFE

Svenic Structural Epoxy has a shelf life of 24 months if stored under the above conditions

PRECAUTIONS

Read all safety directions and warnings on materials before use. Refer to material safety data sheet for handling procedures. Data sheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue.

PERSONNAL PROTECTION

1. As with all epoxy products, wear protective overalls, goggles and gloves - prolonged contact with skin should be avoided as it could produce dermatitis, particularly with people whose skin may be sensitive to epoxy resin systems.
2. Ensure adequate ventilation.

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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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