PRODUCT DATA

LEAK INJECT FLEX 6870
FLEXIBLE LEAK SEALING INJECTION RESIN

PRODUCT DESCRIPTION
Leak Inject Flex 6870 is a low viscosity, single component MDI-based polyurethane injection resin that swells in contact with water to form a closed cell flexible foam.

APPLICATION
Water sealing of cracks and joints in walls, floors, concrete construction, sewers, tunnels, parking decks, basements, underground rail tunnels and any buried construction where water ingress is not desirable.

PROPERTIES
- Penetrates deep into cracks and joints.
- Reacts with water and forms a flexible closed cell foam that accommodates movement of the crack or joint.
- Chemically resistant against water, weak acids, alkali and micro-organisms.
- Excellent adhesion to construction materials (such as concrete, cement, brick, mortar), metal and certain plastics.
- Reaction speed is controlled by varying the amount of catalyst. Use 6-9% catalyst to achieve good cellulation.

TECHNICAL DATA (Typical Values)	
Colour	Yellow
Free Expansion	800%
Density	• Resin: 1.08 kg/l • Catalyst: 0.923 kg/l
Viscosity (25°C)	• Resin: 105 mPas • Catalyst: 36 mPas
Elongation at Break	>50%
Shelf Life	12 months after production date in original, unopened and undamaged packaging, stored in a dry place with temperatures between +10°C and +30°C. Once the packaging is opened, the shelf life of the product diminishes quickly and the product should be used as soon as possible.

REACTION TIME: 100g Resin + Catalyst + 28g Water			
	% Catalyst	**Start Reaction**	**End Reaction**
10°C	2%	45''	2'25''
	6%	22''	1'11''
	9%	16''	59''
15°C	2%	37''	2'27''
	6%	19''	51''
	9%	15''	44''
20°C	2%	36''	2'15''
	6%	18''	54''
	9%	14''	30''
25°C	2%	27''	2''
	6%	17''	40''
	9%	12''	29''

APPLICATION
Thoroughly mix the Leak Inject Flex 6870 with Leak Inject Flex 6870 Cat at the desired percentage. Inject the mixture with a single component pump into the crack, usually through injection ports. Because of the low viscosity and expansion during polymerisation, the resin will penetrate deep into the crack. Once the mixture comes into contact with water, a flexible Polyurethane foam is formed.

PACKAGING
- Leak Inject Flex 6870: 25 kg
- Leak Inject Flex 6870 Cat: 2.5L (± 2.29 kg)

CLEANING
Clean pump and equipment whenever there is a delay of more than 15 minutes with Ecoclean. Always thoroughly flush any equipment at the end of the injection operation with Ecoclean.

PRECAUTIONS AND SECURITY MEASURES
- Avoid contact of Leak Inject Flex 6870 with the skin and eyes.
- Wear suitable PPE to include safety glasses, gloves and overalls.
- In case of contact with the eyes: Wash with copious amounts of water and seek medical attention.
- In case of contact with the skin: Wash with copious amounts of water.
- Absorb spilled resin with sand and dispose of in accordance with local regulations.
- The resin reacts with water and humidity in the air and forms CO_2 gas. This can build up pressure in packaging that has already been opened. Exercise caution when opening materials.
- Further information is available on the Safety Data Sheet.

NOTES

- Safety Data Sheets for Leak Inject Flex 6870 products are available upon request.
- A staff of Technical Service Engineers is available to assist with installation or to answer questions related to Leak Inject Flex 6870 products.
- For worldwide availability, additional product information and technical support, contact your local sales representative, or call Stonhard at (800) 263.3112.