

# PRODUCT DATA

## LEAK INJECT FLEX 6890 FLEXIBLE LEAK SEALING INJECTION RESIN

### PRODUCT DESCRIPTION

Leak Inject 6890 is a medium viscosity, one component MDI based polyurethane injection resin that swells in contact with water to form a flexible foam that does not shrink.

### APPLICATION

Leak Inject 6890 is used for water sealing of cracks and joints in walls, floors, concrete construction, sewers, tunnels and buried rail, etc.

### PROPERTIES

- Penetrates deep into cracks and joints.
- Reacts with water to form a flexible, closed cell foam that allows movement of the crack or joint.
- Free Expansion: 800% - 1100%.
- No shrinkage.
- Chemically resistant against water, weak acids, alkalis and micro-organisms.
- Excellent adhesion to mineral construction materials (such as concrete, cement, brick, mortar), metal and certain plastics.
- Reaction speed is controlled by varying the amount of catalyst used in the mix. Use 6 to 10% catalyst to achieve good cellulation.

### REACTION TIME: 150g Resin + Catalyst + 35g Water

	% Catalyst	Start Reaction	End Reaction
10°C	2%	2'11"	14'24"
	6%	2"	7'50"
	9%	1'54"	7'35"
15°C	2%	1'46"	15'55"
	6%	1'37"	7'15"
	9%	48"	6'09"
20°C	2%	1'12"	9'15"
	6%	54"	4'25"
	9%	40"	3'10"
25°C	2%	1'02"	9'10"
	6%	51"	4'10"
	9%	37"	3'

### PROCESSING

Thoroughly mix the Leak Inject Flex 6890 with 6 to 10% Leak Inject Flex 6890 Cat. Inject the mixture into the crack with a single component pump. Due to the medium viscosity and the expansion

### TECHNICAL DATA (Typical Values)

Colour	Colourless
Free Expansion	800% - 1,100%
Density	<ul style="list-style-type: none"> <li>• Resin: 1.07 kg/l</li> <li>• Catalyst: 1.04 kg/l</li> </ul>
Viscosity (25°C)	<ul style="list-style-type: none"> <li>• Resin: 817 mPas</li> <li>• Catalyst: 9 mPas</li> </ul>
Elongation at Break	>50%
Shelf Life	Shelf Life: 1 year after production date in original, unopened and undamaged packaging. Store 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.

during polymerisation, the resin will penetrate deep into cracks or joints. Once the mixture comes in contact with water a flexible polyurethane foam is formed.

### PACKAGING

- Leak Inject Flex 6890: 25 kg
- Leak Inject Flex 6890 Cat: 2.5 litres (± 2.6 kg)

### CLEANING

Clean pump and equipment every time there is a stop of more than 15 minutes, or whenever necessary with Ecoclean. At the end of the injection process, flush with an extra litre of Ecoclean.

### PRECAUTIONS AND SECURITY MEASURES

- Avoid contact of Leak Inject Flex 6890 with skin and eyes.
- Wear safety glasses, gloves and overalls.
- In case of contact with eyes: Wash with copious amounts of water and seek medical attention.
- In case of contact with 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<sub>2</sub> gas. This can build up pressure in the packaging that has been opened. Take appropriate precautions when opening any containers.
- Further information can be found on the Safety Data Sheet.

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### NOTES

- Safety Data Sheets for Leak Inject Flex 6890 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 6890 products.
- For worldwide availability, additional product information and technical support, contact your local sales representative, or call Stonhard at (800) 263.3112.

Important:

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