

PRODUCT DATA

LEAK INJECT UNI 6816 E RIGID WATER SEALING INJECTION RESIN

PRODUCT DESCRIPTION

Leak Inject Uni 6816 E is a low viscosity, single component MDI-based water reactive polyurethane injection resin. It reacts with water forming a rigid hydrophobic seal.

APPLICATION

Leak Inject Uni 6816 E is used for water sealing of cracks and large gaps in walls, floors, concrete construction, etc. that are not subjected to settling or movement. It is a fast reacting rigid PU foam used as a water stop for the sealing of leaks and water infiltration.

PROPERTIES

- Leak Inject Uni 6816 E forms a hard, high strength seal in cracks or joints.
- It is a fast reacting rigid PU foam used as a water stop for the sealing of leaks or to stop active water leaks with a high flow and/or high hydrostatic pressure.
- Penetrates deep into fine cracks.
- Reacts with water and forms CO₂ gas. This gas produces a swelling pressure which causes the resin to expand and foam, sealing all water infiltration.
- Free Expansion: 1700% - 2200%.
- Does not shrink after curing.
- Excellent adhesion to mineral construction materials (such as concrete, cement, brick), metal and certain plastics.
- The reaction speed can be controlled by varying the amount of catalyst.
- The Leak Inject Uni 6816 E foam is chemically resistant against water; weak acids and alkalis, mineral oils, fungus and bacteria, ground water; sea water and petroleum products.

PROCESSING

Add Leak Inject Uni 6816 E with desired amount of Cat and mix thoroughly. Inject the mixture with a single component pump (manual, electric, pneumatic) into the crack through suitable injection ports. Due to the low viscosity, the resin will penetrate deep into cracks. Leak Inject Uni 6816 E polymerises into a rigid hydrophobic foam.

CHARACTERISTICS

- Colour: Dark Brown
- Free Expansion: 1700% - 2200%
- Density:

Resin	Catalyst
1.10 - 1.20 kg/l	0.923 kg/l

- Viscosity

Resin	Catalyst
111 mPas (@ 25°C)	36 mPas (@ 25°C)

- Shelf Life: 12 months 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.

REACTION TIME: 65g Resin + Catalyst + 20g Water

	% Catalyst	Start Reaction	End Reaction
10°C	2%	55"	4'18"
	6%	26"	1'38"
	9%	20"	1'10"
15°C	2%	46"	4'06"
	6%	21"	1'34"
	9%	18"	1'15"
20°C	2%	44"	3'30"
	6%	19"	1'17"
	9%	13"	54"
25°C	2%	38"	3'15"
	6%	18"	1'16"
	9%	12"	51"

PACKAGING

- Leak Inject Uni 6816 E: 25 kg
- Leak Inject Uni 6816 E Cat: 2.3 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 Uni 6816 E 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.

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- Absorb spilled Leak Inject Uni 6816 E with sand and dispose of according to local regulations.
- Reacts with water: If contaminated by moisture may form CO₂ gas pressure in containers. Exercise caution when opening packaging.
- For more information: See Safety Data Sheet.

NOTES

- Safety Data Sheets for Leak Inject Uni 6816 E 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 Uni 6816 E 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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06/12