

Product description

J-THANE is a hydrophobic, mono-component injection resin used for sealing major leaks. Water or moisture in the injected cavities contributes to the reaction, which can be adjusted depending on the proportion of the J-THANE accelerating agent used. Once it has reacted with water, this polyurethane resin forms a closed-cell semi-rigid foam.

Uses

- Injection of cracks of various sizes
- Soil stabilization
- Control of water infiltration for reservoirs, tunnels, foundations, dams, sewers, decanters, locks, expansion joints, cavities in concrete.

Advantages

- Low viscosity allowing for good penetration
- Fast reaction with water
- No solvent
- Non-corrosive
- Stable, non-toxic foam
- Good resistance to chemicals
- Sold in USA and certified NSF / ANSI 61-199
- Approved by Ministère des transports du Québec



Transports
Québec



Physical properties

		RESIN		ACCELERATING AGENT		ACCÉLÉRATEUR Reaction speed : (water and material at 23°C)			
Physical Aspect :		Liquid		Liquid					
Colour :		Brown		Pinkish, Clear					
Solids :		100%	ASTM D-1010	-		Accelerator % weight	1	5	10
Viscosity at 23°C :		125 ±20cps	ASTM D-1638	15 to 20cps	ASTM D-1638				
Flash point :		175°C	ASTM D-93	155°C	ASTM D-93				
Weight :		1,1 kg/L (± 3%)	ASTM D-1638	-					
Resistance to compression:		7 à 10 MPa				Induction time*	2 min	1 min	0 min
Toxicity :		None					40 sec	20 sec	45 sec
Flexibility(deformation under pressure):		20 to 25%							
Free expansion :		Approx. 15 times its volume							
Confined expansion:		3 to 5 times its volume							
Water head resistance:		Up to 50 meters				Jellification time	11 min	3 min	1 min
Shrinkage :		None							
Density :		175 to 450 kg/m ³						20 sec	45 sec

*Contact time without reaction with water

Coverage : Approximately 1000 cm³ / liter (60 po³)

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Installation guide

Contacting your KRYTEX products representative is suggested to verify recommended methods for specific uses.

Substrate and preparation

The reaction time varies depending on the temperature of the substrate and the water. Best results are obtained when the resin reacts in clean concrete free from calcareous deposits and contaminants. Pre-cleaning with OXY-CEM may be advisable.

Mixing

Shake the container holding the accelerating agent; then, pour it into the resin in the required proportion and mix slowly while minimizing the formation of air bubbles.

Application

J-Thane may be injected with manual, electric or pneumatic pumps. The accelerator is required. The surfaces to be injected must be damp or wet for the reaction to take place. The reaction time should be verified depending on the quality, quantity and temperature of the water.

Packaging / Storage

Resin : 20 kg pails (18,9L)

Double cartridge (resin et accelerator) : 600ml

Accelerator : 950 ml cans

Store in a dry, heated, ventilated place.

Precautionary measures

Following the usual safety rules and precautions is recommended. Ensure adequate ventilation. Avoid contact with skin and eyes. In case of eye contact, flush with water and seek medical attention. In case of skin contact, wash with water and soap. For industrial use only. Refer to the Material Safety Data Sheet.

Technical services and warranty

Contact your KRYTEX products representative for assistance, if need be.

KRYTEX products are guaranteed to be free from manufacturing defects. This information is based on tests which we believe reliable. Since conditions during application are beyond our control, the supplier and/or manufacturer decline all liability except for the replacement of the materials proven to be defective.

Classe de transport:

Résine : TDG : Not regulated

Accélérateur : TDG : 8

Cartouche : TDG : Not regulated

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