

Product description

J-THANE-FLEX is a hydrophobic, mono-component injection resin. Water or moisture in the injected cavities contributes to the reaction, which can be adjusted depending on the proportion of the J-THANE-FLEX accelerating agent used. Once it has reacted with water, this polyurethane resin forms a closed-cells flexible 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

- Medium viscosity, ideal for most injection work
- Fast reaction with water
- No solvent
- Non-corrosive
- Flexible, stable, non-toxic foam
- Good resistance to chemicals
- Sold in USA and Certified NSF/ANSI 61
- Approved by Ministère des transports du Québec



Certified to
ANSI/NSF 61

Transports
Québec

Physical property

	RESIN		ACCELERATOR AGENT		ACCELERATOR Reaction speed: (water and material at 21°C)			
Physical aspect :	Liquid		Liquid					
Colour :	Amber, Clear		Grey, Clear					
Solids :	100%	ASTM D-1010	100%	ASTM D-1010	Accelerator % weight	1	3	5
Viscosity to 23°C :	600 ±100 cps	ASTM D-1638	7 ± 2 cps	ASTM D-1638				
Flash point :	150°C	ASTM D-93	160°C	ASTM D-93				
Weight :	1,7 kg/L (± 3%)	ASTM D-1638	-					
Toxicité :	None				Induction Time*	1	1	0
Flexibility(deformation under pression)	30 to 50%					min	min	min
Free expansion :	Approx. 15 times its volume					50	0	45
Confined expansion:	2 to 3 times its volume					sec	sec	sec
Water head resistance:	Up to 50 meters				*Contact time without reaction with water			
Shrinkage :	None				Jellification time	6	3	2
Density :	175 à 450 kg/m ³					Min	min	min
Élongation :	250%		ASTM D-3574			40	35	0
						sec	sec	sec

Coverage : Approximately 1000 cm³ / liter (60 po³)

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-FLEX 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 and 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.

Transportation class:

Résine : TDG : Not regulated

Accélérateur : TDG : 8

Cartouche : TDG : Not regulated

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Graphique

