



INJECTO® PURE

Product Description

Injecto PURE is an ultra low viscosity hydrophobic polyurethane designed to be used with INJECTO® Grout Tube for sealing construction joints. Injecto PURE grout expands on contact with water and quickly cures to a tough, flexible foam that is resistant to most organic solvents, mild acids, alkali, petroleum and micro-organisms.

- P**hthalate free- no phthalate-based plasticizers
- U**nregulated for transport- no hazmat shipping
- R**eformulated TDI free-all MDI based technology.
- e**nvironmentally friendly-NSF/ANSI 61 approved.



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INJECTO PURE when combined with Flex CAT PURE is certified by WQA to NSF/ANSI 61 for materials safety only, as verified and substantiated by test data. Please refer to WQA website (www.wqa.org) for use ratios and limitations.

Properties

Injecto PURE Resin		
Solids	100%	ASTM D2369
Viscosity	200 cps at 77°F	ASTM D2196
Color	Pale yellow	
Density	1.02 g/cm ³	ASTM D4659
Flashpoint	>270°F	ASTM D93
Corrosiveness	Non-corrosive	
Flex Cat PURE		
Viscosity	15 cps at 77°F	ASTM D2196
Color	Clear to pale gray	
Flashpoint	221°F	ASTM D93
Injecto PURE Cured		
Density confined	1.00 g/cm ³	ASTM D3574
Density free	about 3 PCF	ASTM D3574
Tensile strength	>174 psi	ASTM D3574
Elongation %	100	ASTM D3574

Product Advantages

- Super low viscosity for hairline cracks
- Free Foam Expansion up to 18 times
- Contains no volatile solvents
- Single Component
- Will not dilute in water
- Controlled reaction time
- Tough foam with flexibility
- Improved low temperature performance
- Flex Cat PURE liquid to -40°F

Reaction Times

T	% Cat	End Reaction	Foam Factor
40°F	2	6'30"	14V
	5	3'25"	16V
60°F	2	5'10"	16V
	5	2'35"	16V
77°F	2	4'30"	16V
	5	2'20"	17V
86°F	2	4'20"	16V
	5	2'00"	17V
95°F	2	3'35"	17V
	5	1'45"	18V

Applications

- Repairing existing leaky joints
- Waterstop for new concrete structures
- Injection through these grout tubes to form a flexible waterstop in concrete joints:

INJECTO® Tube

SIS INJECTO® Tube

TRIOJECT

Packaging & Handling

Injecto PURE: 5 gallon metal pail
50 gallon metal drum

Flex Cat PURE: 25 fl. oz. in 1 qt. metal cans

Injecto PURE is sealed under dry nitrogen because it is sensitive to moisture, and should be stored in original containers in a dry area. Storage temperature must be between 40°F and 90°F. Once the packaging has been opened, the useful life of the material is greatly reduced and should be used as soon as possible.

Shelf life: 2 years.

Installation Guidelines

Warning: INJECTO PURE must be used with Flex Cat PURE. Consult the Technical Data Sheets and SDS before using.

Installation Instructions: For detailed installation instructions refer to the DeNeef technical bulletin for your application.

Catalyst: Shake catalyst can 2-3 minutes. Pour the desired amount of Injecto PURE into a clean dry pail. Measure 1% Flex Cat PURE and pour it into the pail. Stir until adequately mixed. Exceeding the recommended amount of catalyst may adversely affect the reaction and quality of the cured foam. (1 catalyst can capful=0.5 oz; 1.3 oz/gal resin = 1%)

Injection: Injectable tubes should be adequately flushed with water prior to the injection of grout. During injection the grout will follow the path of least resistance. When the material has stopped penetrating it will continue to expand against the limits of the confined space and compress within itself, forming a dense, closed cell foam. See INJECTO Grout Tube Installation procedures for more detail.

Extreme conditions: For application procedures in extreme temperatures and specific environments or equipment recommendations call the GCP Applied Technologies Technical Service Department.

Cleaning: Clean all tools and equipment which have been in contact with the resin with DeNeef Washing Agent before resin has cured. Products should be disposed of according to local, state, and federal laws.

Health and Safety

Always use protective clothing, gloves and goggles consistent with OSHA regulations. Avoid eye and skin contact. Do not ingest. Refer to SDS. **For emergencies, call CHEMTREC 1-800-424-9300.**

Limitations

Low temperatures will significantly affect viscosity. Injecto PURE is not designed for void filling and must be used in compression. If site temperatures are extremely low, heat bands or heated water baths may be used on the pails before and during installation to maintain the product's temperature. Avoid splashing water into open containers, as the material is water activated. Avoid exceeding 90°F when warming.

CAUTION: pH NOTICE. Water used to activate PURE Grouts must be in the pH range of 3-10 for optimum foam quality.

gcpat.com | Customer Service: 1-866-333-3726

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

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