

DE NEEF[®] Flex LV PURE

Product Description

Flex LV PURE is a hydrophobic polyurethane designed to form a flexible gasket when injected into cracks and joints in concrete structures. Flex LV 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.

Phthalate free- no phthalate-based plasticizers
Unregulated for transport- no hazmat shipping
Reformulated TDI free-all MDI based technology.
environmentally friendly-NSF/ANSI 61 approved.



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.

Deneef Pipe Plug Acronym

Product Applications

- Sealing leaking cracks in concrete 0.02" and wider
- Sealing moving and non-moving joints in concrete

Product Advantages

- Free Foam Expansion up to 18 times
- Contains no volatile solvents
- Single Component
- Controlled reaction time
- Improved low temperature performance
- Flex Cat PURE liquid to -40°F

Packaging & Handling

Flex LV PURE:

5 gallon metal pail
50 gallon metal drum

Flex Cat PURE:

25 fl. oz. in 1 qt. metal cans

Flex LV 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.

Properties

FLEX LV PURE RESIN

Solids	100%	ASTM D2369
Viscosity	550 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 grey	
Flashpoint	221°F	ASTM D93

FLEX LV 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

Reaction Times

T	% CAT	END REACTION	FOAM FACTOR
40°F	1	17'00"	12V
	2	8'30"	14V
	5	4'00"	16V
60°F	1	10'50"	14V
	2	7'00"	16V
	5	3'05"	16V
77°F	1	9'00"	14V
	2	5'35"	16V
	5	2'10"	17V
86°F	1	7'30"	14V
	2	4'40"	16V
	5	1'45"	17V
95°F	1	6'45"	15V
	2	4'00"	17V
	5	1'35"	18V

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.

Installation Guidelines

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

Installation Instructions: For detailed installation instructions refer to the DE NEEF® technical bulletin for your application

Catalyst: Shake catalyst can 2-3 minutes. Pour the desired amount of Flex LV PRe into a clean dry pail. Measure the appropriate amount of Flex Cat PRe (refer to the **Reaction Times** section of this data sheet for the desired set time) 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.

Injection: 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.

Extreme conditions: For application procedures in extreme temperatures and specific environments or equipment recommendations call the DE NEEF® Technical Service Department.

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

Limitations

Flex LV PRe must be used with Flex Cat PRe.

Low temperatures will significantly affect viscosity. Flex LV PRe 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 PRe Grouts must be in the pH range of 3-10 for optimum foam quality.

ca.gcpat.com | North America customer service: 1-877-4AD-MIX (1-877-423-6491)

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.

DE NEEF is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 62 Whittemore Avenue, Cambridge, MA 02140 USA.

In Canada, GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

Ce document est à jour seulement à la date de la dernière mise à jour indiquée ci-dessous et n'est valide que pour une utilisation au Canada. Il est important que vous consultiez toujours les informations actuellement disponibles sur l'URL ci-dessous pour fournir les informations les plus récentes sur le produit au moment de l'utilisation. Des documents supplémentaires tels que les manuels de l'entrepreneur, les bulletins techniques, les dessins détaillés et les recommandations détaillées ainsi que d'autres documents pertinents sont également disponibles sur www.ca.gcpat.com. Les informations trouvées sur d'autres sites Web ne doivent pas être utilisées, car elles peuvent ne pas être à jour ou applicables aux conditions de votre site et nous déclinons toute responsabilité quant à leur contenu. S'il y a des conflits ou si vous avez besoin de plus d'informations, veuillez contacter le service client de GCP.

Last Updated: 2018-12-12

ca.gcpat.com/solutions/products/de-neeef-waterproofing-injection-solutions/de-neeef-flex-lv-pure