

DE NEEF[®] CFL PURE

Product Description

CFL PURE is a hydrophobic polyurethane designed for void filling and barrier wall grouting. Depending on the temperature and amount of accelerator (Flex Cat PURE) used, the grout quickly cures to a tough closed cell polyurethane foam that has some flexibility to accommodate differential movement. CFL PURE 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 spaces with differential movement
- Filling voids
- Barrier Wall Grouting

Product Advantages

- Free Foam Expansion up to 20 times
- Contains no volatile solvents
- Single Component
- Will not dilute in water
- Controlled reaction time
- Tough foam with flexibility

Packaging & Handling

CFL PURE:

5 gallon metal pail
50 gallon metal drum

Flex Cat PURE:

25 fl. oz. in 1 qt. metal cans

CFL 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

CFL PURE RESIN

| | | |
|---------------|------------------------|------------|
| Solids | 100% | ASTM D2369 |
| Viscosity | 350 cps at 77 °F | ASTM D2196 |
| Color | Brown liquid | |
| Density | 1.08 g/cm ³ | ASTM D4659 |
| Flashpoint | 284 °F | ASTM D93 |
| Corrosiveness | Non-corrosive | |

FLEX CAT PURE

| | | |
|------------|--------------------|------------|
| Viscosity | 15 cps at 77 °F | ASTM D2196 |
| Color | Pale yellow liquid | |
| Flashpoint | 221 °F | ASTM D93 |

CFL PURE CURED

| | | |
|----------------------|------------------------|------------|
| Density confined | 1.00 g/cm ³ | ASTM D3574 |
| Density free | 2 PDF | ASTM D3574 |
| Compressive strength | 1377 psi | confined |
| Flexural strength | 1305 psi | confined |

Installation Guidelines

Warning: CFL 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 DE NEEF® technical bulletin for your application.

Catalyst: Shake catalyst can 2-3 minutes. Pour the desired amount of CFL PURE into a clean dry pail. Measure the appropriate amount of Flex Cat PURE (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.

Reaction Times

| T | % CAT | END REACTION | FOAM FACTOR |
|------|-------|--------------|-------------|
| 50°F | 1 | 7'50" | 15V |
| | 3 | 3'50" | 17V |
| 68°F | 1 | 6'00" | 17V |
| | 3 | 3'00" | 19V |
| 86°F | 1 | 5'50" | 18V |
| | 3 | 2'30" | 20V |

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

CFL PURE must be used with Flex Cat PURE.

Low temperatures will significantly affect viscosity. 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)

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Last Updated: 2018-12-12

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