

DE NEEF[®] Rock-Tite B3

Two Component Polyurethane Foam

Product Description

DE NEEF[®] Rock-Tite B-3 is a two component high density polyurethane foam. It contains no CFC's or HFC's to create its cellular structure. Density of the product is formulated for 15-20 lbs. per cubic foot. Pour temperatures remain stable between 120°F - 130°F in 8" lifts.

Product Advantages

- 15-20 lb/ cu.ft foam density
- Stable pours at elevated temperatures
- Very high compressive strength

Product Applications

- Fill rock fissures
- Voids
- Soil stabilization
- Mine tunnels
- Slip-lined pipes

Packaging & Handling

DE NEEF[®] Rock-Tite B-3:

10 gallon (2 x 5 gal. pails)

100 gallon (2 x 50 gal. drums)

Both components should be stored in a dry place at temperatures between 65°F and 80°F. Do not thin with solvents. Confirm product performance in specific chemical environment prior to use. Substrate temperature must be at least 5°F above the dew point.

Installation Guidelines

Warning: 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.

DE NEEF[®] Rock-Tite B-3 is designed to be pumped in place using conventional plural component equipment. Thorough mixing is essential for proper cured density. Due to the fast setting characteristics, it is recommended that an impingement type mix system be used.

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.

Health and Safety

Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest. Refer to Safety Data Sheet (SDS) for detailed safety precautions. SDS's can be obtained from GCP Applied Technologies or from our web site at gcpat.com.

For emergencies, call CHEMTREC 1-800-424-9300.

Limitations

DE NEEF® Rock-Tite B-3 requires very high shear in order to mix properly and should always be run through an impingement type mixer during pumping. 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.

Properties

DE NEEF® ROCK-TITE B-3		
Viscosity Part A (77 °F)	170-230 cps	Brookfield
Viscosity Part B (77 °F)	205-230 cps	Brookfield
Mixing ratio by volume	1:1 (A:B)	
Property	Cured	Test (ASTM)
Density	15-20 pcf	D1622
K-Factor	Fresh 0.14	C518
	Aged 0.145	C518
Compressive strength	2000 psi (10% deflection)	D1621
	800 psi (0% deflection)	
Tensile strength	150 psi	D638
Maximum use Temp.	250 °F	

Expansion 3-4 V (volumes)

Dimensional stability
(158°F-97% RH) for 2 weeks < 1%

Note: The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

gcpat.com | North America Customer Service: 1 877-4AD-MIX1 (1 877-423-6491)

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