

TECHNICAL INFORMATION

URETHANES

PRODUCT NAME

HYDRO ACTIVE[®] Sealfoam NF

Hydrophilic polyurethane resin

MANUFACTURER

De Neef Construction Chemicals, Inc.
5610 Brystone Drive
Houston, TX 77041
1(800) 732-0166

PRODUCT DESCRIPTION

HYDRO ACTIVE[®] Sealfoam NF is a nonflammable hydrophilic polyurethane resin designed to form a flexible gasket or plug in joints and cracks in concrete. In its uncured form, HYDRO ACTIVE[®] Sealfoam NF is a pale yellow liquid. When it comes into contact with water, the grout expands quickly and cures to a tough, flexible, adhesive, closed-cell foam that is essentially unaffected by mildly corrosive environments.

APPROPRIATE APPLICATIONS

- Sealing leaks through concrete cracks and joints.
- Saturating oakum rope or backer rod to seal joints by the gasket method.
- Potable water tanks and storage

ADVANTAGES

- Contains no volatile solvents
- Non-flammable
- Free Foam expansion 8 times its liquid volume
- Single component
- High elongation creates tight seal in moving cracks
- NSF 61 Potable water approved

TYPICAL PROPERTIES

Uncured

| | | |
|------------------------------|-------------------|----------------|
| Solids | 83% | ASTM D 2369 B |
| Viscosity | 650-800 cps | ASTM D 2196 A |
| Color | Pale yellow | |
| Density | 8.7 – 9.2 lbs/gal | ASTM D 3574-95 |
| Flashpoint °F | >266°F | ASTM D 93 |
| Corrosiveness | Non-corrosive | |
| Reaction time 1:1 with water | 1 to 1 ½ min. | |

Cured

| | | |
|------------------|-------------|------------------|
| Tensile Strength | 380 psi | ASTM D 3574 - 95 |
| Elongation | 400% | ASTM D 3574 - 95 |
| Bonding Strength | 250-300 psi | |
| Shrinkage | < 10% | ASTM D 1042 |
| Toxicity | Non-toxic | |

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

PACKAGING

- 55 gallon metal drum sealed under dry nitrogen.
- 5 gal metal pail sealed under dry nitrogen.
- Cartridges: 10.5 oz/ea.
- Side-by-Side Cartridge: 2 x 10.5 oz.

LIMITATIONS

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 HYDRO ACTIVE® Grouts must be in a range of pH 3 –10 for optimum foam quality.

SURFACE PREPARATION

Refer to De Neef Surface Preparation Guidelines for more details.

INSTALLATION PROCEDURES

Prior to installation the material should be agitated by vigorously shaking the 5-gallon pail or by mixing with a jiffy mixer or bung mixer. During injection the grout will follow the path of least resistance. When the material has stopped migrating, it will continue to expand against the confines of the crack/joint and compress within itself, forming a very dense, closed cell material, stopping the leak. For application procedures in extreme temperatures or specific environments or equipment recommendations call the De Neef Technical Service Department.

STORAGE & HANDLING

Store in dry area using original resealable containers.

PRECAUTIONS

Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest. Refer to Material Safety Data Sheet for detailed safety precautions.

SAFETY INFORMATION

In the event of an EMERGENCY call:
CHEM-TREC 800-424-9300.

WARRANTY INFORMATION

De Neef Construction Chemicals, Inc. products are warranted under the policy set forth under the WARRANTY section of the De Neef Construction Chemicals Inc., product catalog. Warranty information can also be obtained via the De Neef Construction Chemicals Inc. website at www.deneef.com, or by calling 713-896-0123 or toll free at 1-800-732-0166.

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ANSI/NSF 61
DRINKING WATER SYSTEM COMPONENTS
3N76

“HYDRO ACTIVE® SEALFOAM NF “
MAXIMUM SURFACE AREA TO VOLUME RATIO
5.4 cm²/L AT 23°C

