

# TECHNICAL INFORMATION

## URETHANES

### PRODUCT NAME

## HYDRO ACTIVE<sup>®</sup> Sealfoam

Hydrophilic polyurethane resin

### MANUFACTURER

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

### PRODUCT DESCRIPTION

**HYDRO ACTIVE<sup>®</sup> Sealfoam** is a hydrophilic polyurethane designed to form a flexible gasket or plug in joints or cracks in concrete. In its uncured form, **HYDRO ACTIVE<sup>®</sup> Sealfoam** is a pale yellow, low viscosity 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 open cell backer rod to seal joints by the gasket method.

### ADVANTAGES

- Free foam expansion 4 times its liquid volume.
- Retains elasticity even under harsh conditions
- Single component
- High elongation creates tight seal in moving cracks
- Low viscosity permits injection into tight cracks

### PACKAGING

- 55 gallon metal drums sealed under dry nitrogen
- 5 gal metal pails sealed under dry nitrogen
- 10.5 oz. cartridges

### TYPICAL PROPERTIES

#### Uncured

Solids	85%	ASTM D 2939
Viscosity at 70°F	250-350 cps	ASTM D 1638
Color	Pale yellow	
Density	8.7 lbs/gal	ASTM D 1638
Flashpoint	75°F	ASTM D 93
Corrosiveness	Non-corrosive	
Reaction time 1:1 with water	20 sec	

#### Cured

Tensile Strength	380 psi	ASTM D 3574-86
Elongation	400%	ASTM D 3574-86
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.

### 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<sup>®</sup> 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, specific environments or equipment recommendations, call the De Neef Technical Service Department.

## **STORAGE & HANDLING**

Store in dry area using original resealable containers.

## **PRECAUTIONS**

**HYDRO ACTIVE® Sealfoam contains acetone and should be used only in well-ventilated areas. Care should be taken to avoid conditions that may cause ignition: e.g., cigarettes, sparks, open-flame.**

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](http://www.deneef.com), or by calling 713-896-0123 or toll free at 1-800-732-0166.

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