

# TECHNICAL SPECIFICATIONS

## URETHANES

### SPECIFICATION NAME

## Hydro Active<sup>®</sup> Grout Chemical Resistance

### MANUFACTURER

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

Typical polyurethane foams have the following resistance towards the listed chemical compounds.

### CHEMICAL RESISTANCE OF TYPICAL POLYURETHANE FOAMS\*

Code: E= Excellent, G=Good resistance, F=Fair resistance, P=Poor resistance,  
S=Severe solvent action or chemical attack, not recommended for use.

Acetic Acid 2%	G	JP – 4 Fuel	E
Acetone	P	JP – 5 Fuel	E
Ammonium Hydroxide 10%	E	Kerosene	E
Ammonium Hydroxide Concentrate	G	Linseed Oil	E
Ammonium Sulfate 2%	E	Methyl Alcohol	G
Amyl Acetate	G	Methylene Chloride	F
Benzene	E	Methyl Ethyl Ketone	P
Benzyl Chloride	E	Mineral Spirits	E
Brine Saturated	E	Motor Oil	E
Brine 10%	E	Nitric Acid Concentrate	S
Butanol	E	Chlorobenzene	G
Butyl Acetate	G	Ortho-dichlorobenzene	E
Carbon Tetrachloride	E	Potassium Chlorate 5%	E
Diesel Oil	E	Potassium Hydroxide 1%	E
Diisobutylene	E	Sodium Hydroxide 10%	E
Diisobutyl Ketone	E	Sodium Hydroxide 25%	E
Ethyl Acetate	F	Sodium Hydroxide Concentrated	E
Ethyl Alcohol	G	Styrene	E
Ethylene Glycol 100%	G	Sulfuric Acid 10%	E
Formaldehyde	G	Sulfuric Acid Concentrate	S
Gasoline	E	Toluene	E
Hexane	E	Trichloroethylene	G
Hydrochloric Acid 10%	E	Trichlorofluoromethane	E
Hydrochloric Acid 25%	E	Turpentine	E
Hydrochloric Acid Concentrate	G	Varsol	E
Hydrogen Sulfide 80% (wet)	E	Water	E
Hydrogen Sulfide 100% (wet)	E	Xylene	E
Isopropanol	E		

\* Typical properties of polyurethanes such as HYDRO ACTIVE<sup>®</sup> Grout, not to be construed as a specification.

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• [www.deneef.com](http://www.deneef.com)

## HYDRO ACTIVE® CUT, SOIL & FLEX LV

The environments listed were selected because they represent different classes of chemicals which may be found in industrial waste water. The concentrations are more than likely severe compared with those that actually exist in the waste stream, but for comparison purposes, they represent an accelerated testing condition which allows for time reduction.

**Time of exposure: 26 weeks**

ENVIRONMENT	APPEARANCE
Ethylene Glycol (100%)	No Change
Isopropanol (100%)	No Change
Heptane (Gasoline) (100%)	No Change
J P – 4 thru 8 fuel (100%)	No Change
Carbon Tetrachloride (100%)	Slight Darkening
Methyl Ethyl Ketone (100%)	Swelled 20-30%
Toluene (100%)	No Change
Hydrochloric Acid (2%)	Moderate Darkening & Slight Fragmentation
Acetic Acid (2%)	No Change
Sulfuric Acid (2%)	Moderate Darkening Intact
Sodium Hydroxide (1%)	Moderate Darkening & Slight Fragmentation
Potassium Hydroxide (1%)	Moderate Darkening – 25% Dissolved
Sodium Chloride (Salt Water)	No Change
Ammonium Sulfate (2%)	No Change
Potassium Chlorate (5%)	No Change

ENVIRONMENT	CUT/SOIL	FLEX LV
Sodium Hydroxide (pH 13)	No Influence	No Influence
Sodium Hydroxide (Saturated)	No Influence	Attacked
Sodium Carbonate	No Influence	No Influence
Chlorine Dioxide (pH 2)	No Influence	Attacked
Free Chlorine in Water (pH 2)	No Influence	Attacked
Phosphoric Acid (22%)	No Influence	Slight Absorption
Phosphoric Acid (30%)	No Influence	Slight Absorption/darkening
Gasoline	No Influence	Slight Absorption
J P-4 thru 8 fuel (100%)	No Influence	No Influence
Nitric Acid	Attacked	Attacked
Hydrochloric Acid	No Influence	Slight Absorption
Lactic Acid	No Influence	Slight Absorption
Acetic Acid	No Influence	Slight Absorption
Toluene	No Influence	Slight Absorption
Water	No Influence	No Influence

\*Please contact De Neef Construction Chemicals (US), Inc. before using our polyurethane grouts in corrosive environments.  
Rev. 01/2008

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