

CHEMICAL RESISTANCE OF TYPICAL POLYURETHANE RESINS

Scope

This document summarizes the chemical resistance of typical cured polyurethane resins used in grouting and sealing applications. It is intended as a general guide to assess compatibility with specific site conditions.

Performance Notes

In general, higher-density foams such as **Rigid Grout**, and medium-density foams like **MME Flexible Resin** and **Multi-Gel**, offer better chemical resistance than low-density foams such as **MME Universal Resin**, assuming similar cured volume and shape.

Chemical Resistance Ratings

The following lists categorize resistance based on typical exposure to cured foam. Concentrations are provided where available.

Excellent Resistance	Good Resistance	Fair Resistance	Poor Resistance	Severe Solvent Action (Not Recommended)
Ammonium Hydroxide (10%) Ammonium Sulphate (2%) Benzene Benzene Chloride Brine (Saturated) Brine (10%) Butanol Carbon Tetrachloride Diesel Fuel Diisobutylene Diisobutylketone Gasoline Hexane Hydrochloric Acid (10%) Isopropanol JP-4, JP-5 Fuel Kerosene Linseed Oil Mineral Spirits Motor Oil Orthodichlorobenzene Potassium Chlorate (5%) Potassium Hydroxide (1%) Sodium Hydroxide (Concentrated) Styrene Sulphuric Acid (10%) Toluene Trichloromonofluoromethane Turpentine Water Xylene	Acetic Acid (2%) Ammonium Hydroxide (Concentrated) Anylacetate Butylacetate Chlorobenzene Ethylene Glycol (100%) Formaldehyde Hydrochloric Acid (Concentrated) Trichloroethylene Varsol	Ethylacetate Methylene Chloride Hydrogen Sulphide	Acetone Ethyl Alcohol Methyl Alcohol Methyl Ethyl Ketone Coal Tar	Nitric Acid (Concentrated) Sulphuric Acid (Concentrated)

Limitations

This chart applies only to cured foam under normal temperature conditions. Results may vary depending on exposure duration, concentration, temperature, and mechanical stress. Site-specific testing is recommended for critical applications.

Customer Service & Orders

For additional information, please call us at 1-800-663-6633 or email info@multiurethanes.com.

Company Overview

Multiurethanes is a leading international supplier of materials, equipment, and technical support services for all types of grouting operations, including water cut-off, soil stabilization, concrete repair, sewer rehabilitation and waterproofing.