

RESISTANCE LIST NOVATIO EPOXIES

LEGEND

1. Resistant.
2. Resistant, but discoloration possible.
3. Resistant to spray load for several days, swelling possible, mechanical load restricted.
4. Not resistant.

Resistance to chemicals was determined at 20°C on hardened plates (drying for 7 days at 20°C and 60% R.H.) in constant contact with the medium. Test duration: 30 days.

At temperatures substantially above the test temperature of 20°C, more aggressive reactions can occur. Mixtures of different substances can also have a stronger effect than the individual starting materials.

ACIDS
RESISTANCE

Hydrochloric acid 5%	1
Hydrochloric acid 10%	1
Hydrochloric acid 20%	1
Hydrochloric acid c. 32%	1
Sulphuric acid 5%	2
Sulphuric acid 10%	2
Sulphuric acid 20%	2
Sulphuric acid 50%	2
Sulphuric acid c. 98%	4
Phosphoric acid 5%	2
Phosphoric acid 10%	2
Phosphoric acid 20%	2
Phosphoric acid 50%	2
Phosphoric acid c. 70%	2
Nitric acid 5%	2
Nitric acid 10%	2
Nitric acid 20%	2
Nitric acid 50%	4
Nitric acid c. 65%	4
Hexafluorosilicic acid 5%	1
Hexafluorosilicic acid 10%	1
Hexafluorosilicic acid 20%	1
Hexafluorosilicic acid c. 34%	1
Chromic acid 5%	2
Chromic acid 10%	2
Chromic acid 20%	4
Acetic acid 5%	1
Acetic acid 10%	1
Acetic acid 50%	4
Acetic acid c. 98%	4
Lactic acid 5%	1
Lactic acid 10%	1
Lactic acid 50%	4
Lactic acid c. 80%	4
Formic acid 5%	1
Formic acid 10%	2
Formic acid 50%	4
Formic acid c. 98%	4

Propionic acid 5%	1
Propionic acid 10%	1
Propionic acid 50%	4
Propionic acid c. 100%	4
Citric acid 5%	1
Citric acid 10%	1
Citric acid 50%	1
Citric acid saturated	1
Amidosulfonic acid 5%	1
Amidosulfonic acid 10%	1
Amidosulfonic acid 50%	2
Tartaric acid 5%	1
Tartaric acid 10%	1
Tartaric acid 50%	1
Oxalic acid 5%	1
Oxalic acid 10%	1
Oxalic acid 50%	1
Tannic acid (tannin) 5%	1
Tannic acid (tannin) 10%	1
Tannic acid (tannin) 50%	1
Boric acid 5%	1
Hydrofluoric acid 5%	1
Perchloric acid 25%	1
ALKALIS	
Potassium carbonate 5%	1
Potassium carbonate 10%	1
Potassium carbonate 50%	1
Caustic soda 5%	1
Caustic soda 10%	1
Caustic soda 50%	1
Ammonia 5%	1
Ammonia 10%	1
Ammonia c. 25%	1
AMINES	
Triethanolamine 5%	1
Triethanolamine 10%	1
Triethanolamine 50%	1
Triethanolamine c. 85%	1

2-amino-1-methyl-1-propanol 5%	1
2-amino-1-methyl-1-propanol 10%	1
2-amino-1-methyl-1-propanol 50%	1
2-amino-1-methyl-1-propanol c. 95%	1

Cyclohexylamine 5%	2
Cyclohexylamine 10%	3
Cyclohexylamine 50%	4
Cyclohexylamine c. 98%	4

Triethylamine 5%	1
Triethylamine 10%	1
Triethylamine 50%	4
Triethylamine c. 100%	4

ALCOHOLS

Methanol	4
Ethanol	3
Isopropanol	2
Benzyl alcohol	4
Diacetone	3
Glycerin	1

AROMATIC HYDROCARBONS

Xylene	2
Toluene	4
Benzene	4
Solvent naphta	2

ALIPHATIC HYDROCARBONS

White spirit K 30	1
white spirit K 60	1
Petroleum	

PLASTIFIZERS

Palatinol C	1
Chlorine paraffin 50 fl.	1

FUELS AND OILS

Heating oil	1
Diesel	1
Leaded gasoline	4
Hydraulic oil	1
Mineral oil 15W40	1
Brake oil	1
HD oil	1
Baking oil	1

ESTHERS

Ethyl acetate	4
Butyl	4

KETONES

Acetone	4
Mehtyl isobutyl ketone	3

GLYCOLETHERS

Ethylene glycol	1
Ethyl glycol	4
Butylglycol	4
Butyldiglycol	4

CHLORINATED HYDROCARBONS

Trichlorethane	4
Methylene chloride	4
Trichlorethylene	4
Perchlorethylene	2

AQUEOUS SOLUTIONS

Sodium chloride solution 5%	1
Sodium chloride solution 10%	1
Sodium chloride solution saturated	1
Sugar solution 5%	1
Sugar solution 10%	1
Sugar solution saturated	1
Sodium thiosulfate concentrate	1
Hydroquinone concentrated	1
Sodium hypochlorite 10%	1
Sodium hypochlorite concentrate	1
Water	1
Water, distilled	1
Epsom salt 5%	1
Epsom salt saturated	1
NPK fertilizer	1
NPK fertilizer saturated	1
Calcium ammonium saltpeter 5%	1
Calcium ammonium saltpeter saturated	1

Ammonium chloride solution 25%	1
Ferric chloride 46%	1
Copper acetate 5%	1
Sodium 25%	1
Hydrogen peroxide 1%	1
Hydrogen peroxide 10%	1
lime milk saturated	1
Magnesium chloride saturated	1
MISCELLANEOUS	
Dimethylformamide	4
Tetrahydrofuran	4
Cola	1
Beer	1
Fruit juice	1
Red wine	1
Chemical de-icing agent	1
Vehicle fuel	4
Aviation fuel	2
Benzène et mélanges contenant du benzène	4
Monohydric and polyhydric alcohols, glycol ethers	2
All alcohols and glycol ethers	4
Halocarbons	2
Aromatic halogenated hydrocarbon	4
All esters and ketones	4
Aromatic esters and ketones	4
Aliphatic aldehydes	1
Aqueous solutions organic acids up to 10%	1

Organic acids	4
Mineral acid up to 20%	2
Inorganic bases, and alkaline hydrolyzing salts in aqueous solution	1
Solutions of inorganic non-oxidizing salts	1
Amines	4
Aqueous solution org. surfactants	1

