SealBoss®

Product Data Sheet

Polyurea Elastomer Chemical Resistance Chart

Test Procedure: ASTM D1308 at 720°F

R: Recommended (little or no visible damage)
C: Recommended Conditionally (some swelling, discoloration, cracking - wash down within 1 hour of spillage)
N: Not Recommended
1 : Some discoloration only

This data represents 7 days spot test exposure for the Polyurea Elastomer System. The noted chemical; was placed on the surface area of the polyurea and exposed for the prescribed time period. This test represents industry-recognized conditions.

Test Media	Results	Test Media	Results
Acetic Acid 10%	R	Methanol	R
Acetone	C	Methanol (5%) Gasoline	C
Ammonium Hydroxide 10%/20%	R	Methylene Chloride C H 2C12	C
Ammonium Nitrate	R	Mineral spirits	R
Ammonium Phosphate	R	Motor Oil	R-1
Antifreeze (50% Ethylene Glycol)	C	Nitric Acid 20%	N
Battery Acid (Sulfuric Acid)	C	Phosphoric Acid 10%	R
Benzene	C	Phosphoric Acid 50%	N
Brine - saturated (>I 30,000 ppm)	R	Potassium Hydroxide 10%	R
Brake Fluid	R	Potassium Hydroxide 20%	R-1
Chlorine (2,000 ppm in water)	R	Propylene Carbonate	C
Chlorox, 10%	C-1	Sodium Chloride	R
Citric Acid	R	Sodium Hydroxide 5%/10%/25%	R
Copper Chromate Arsenic	R	Sodium Hydroxide 50%	R-1
4% working solution	R	Sodium Hypochlorite (household bleach)	
	C-1		
Dimethyl Formamide	N	Stearic Acid	R
Gasoline	R	Sulfuric Acid 5%/10%/20%	R
Hexane	R	Sulfuric Acid 50%/98%	N
Hydraulic Oil	R-1	Toluene	C
Hydrochloric Acid	R	1, 1, 1 Trichloroethylene	C
Isopropyl Alcohol	R	Trisodium Phosphate	R
Lactic Acid 10%	R	Vinegar	R
Liquid Notrogne Fertilizer (25-0-0)	R	Water	R
Liquid Urea Fertilizer	R	Xylene	R

Test Procedure: ASTM D-3912 Immersion at 75°F

This data represents 12 month immersion exposure for the Polyurea Elastomer The elas system was applied to a steel panel, having a 2 mil blast profile. The coated panels were then immersed half way into the following chemicals/solution for a period of 12 months, except where noted.

Test Media	Results	Test Media	Results
Acetic Acid 10%	R	Motor Oil	R-1
Acetone 7 days	N	MTBE	R, C
Ammonium Hydroxide 10%/20%	R	MTBE/Gasoline 2%	R, C
Chromic Acid, 10%	N	Nitric Acid 5%	R
Diesel Fuel	R	Phosphoric Acid 10%	R
Ethylene Glycol	R	Sodium Chloride 10% (75°F)	R
Gasoline	R	Sodium Chloride 10% (125°F)	R
Hydraulic Fluid	C	Potassium Hydroxide 10% / 20%	R
Hydrochloric Acid 5%, 10%	R	Sodium Hydroxide 50%	C
Hydrogen Peroxide 5%	R-1	Sodium Hydroxide 1% 50*C 14 days	C
Hydrogen Peroxide 30%	N	Sodium Hypochlorite 10%	R
Isopropyl Alcohol	N	10% Sugar/Water	R
Methanol	N	Sulfuric Acid 5%/10%/3% 50* 14 days	
Methylethyl Ketone	N	Toluene	N
		Water75*F, 180°F, 14 days	R

Revised 201705

SealBoss Corp. USA info@sealboss.com ph. 877-932-2293 intl. 1+ 714-662-4445