

Chemical Resistance:

Chemical Result (25°C)

Acetic Acid (100%)	C
Acetone	C
Ammonium Hydroxide (50%)	C
Benzene	C
Brine-Saturated H ₂ O (310g/l)	R
Chlorinated H ₂ O	R
Clorox® (10%) H ₂ O	R
Diesel Fuel	R
Gasoline	R
Gasoline / 5 % MTBE	R
Gasoline / 5% Methanol	R
Hydrochloric Acid (37%)	RC
Hydrofluoric Acid (10%)	RC
Hydraulic Fluid (oil)	R
Isopropyl Alcohol	R
Lactic Acid	RC
MEK	RC
Methanol	R
Methylene Chloride	C
Mineral Spirits	RC
Motor Oil	R
MTBE	C
Muriatic Acid (10%)	R
NaCl / H ₂ O (10%)	R
Nitric Acid (50%)	NC
Phosphoric Acid (10%)	R
Phosphoric Acid (50%)	RC
Potassium Hydroxide (10%)	R
Potassium Hydroxide (20%)	R, Dis
Propylene Carbonate	RC
Skydrol®	R
Sodium Hydroxide (25%)	C
Sodium Hydroxide (50%)	NR
Sodium Hypochlorite (10%)	R
Sodium Bicarbonate	R
Stearic Acid	C
Sugar / H ₂ O	R
Sulfuric Acid (10%)	C
Sulfuric Acid (50%)	N R
Toluene	R
1,1,1-Trichlorethane	C
Trisodium Phosphate	R
Vinegar / H ₂ O (5%)	R
H ₂ O	R
H ₂ O (14 days @ 82°C)	R
Xylene	RC

72 Hour Spot Test Chemical Resistance Data for Product

CHEMICAL	FireSkin	CHEMICAL	FireSkin
50% HNO₃	8	57% HI	8*
37% HCl	10	50% H₃PO₄	5
50% NaOH	10	Anti Freeze	10
50% H₂SO₄	10	Motor Oil	10
Brake Fluid	10		

Rating Guidelines:

0 to 1 -	75% - 100% film dissolved
1 to 2 -	50% - 75% film dissolved
2 to 3 -	25% - 50% film dissolved
3 to 4 -	1 % - 25% film dissolved
4 to 5 -	severe film damage, cracking, pinholes
5 to 6 -	film moderate to heavy damage, swollen, dulled
6 to 7 -	film moderately damaged, haze, residue
7 to 8 -	film with slight or no damage, slight haze, residue
8 to 9 -	film in very good condition
10 -	film unchanged, excellent condition

* Note:

- All samples using 57% HI had purple iodine discoloration due to the nature of the acid in air.
- Samples were placed at room temperature for 72 hours after application of one ml of solvent on 16 mil film of products

Chart Key

R⇒ Recommended Little or no visible damage
 RC ⇒ Recommended Conditional Some effect – swelling or discoloration
 C ⇒ Conditional Crackling-wash down within 1 hour of spillage to avoid effects
 NR ⇒ Not Recommended
 Dis ⇒ Discoloration