

**DESCRIPTION**

Industrial and commercial protective lining applications often have exposure to various chemicals. Z-7 CHEM-PRO and Z-3 MAX have been specially formulated for exceptional resistance to a wide variety of chemicals. Our Z-3 HYBRID product also offers very good resistance to a number of chemicals commonly found in industrial applications. The following chart summarizes the chemical resistance of these products based on immersion testing conducted in a laboratory.

CHEMICAL MEDIUM	Z-7 CHEM-PRO	Z-3 MAX	Z-3 HYBRID
<b>Acids</b>			
Hydrochloric, 5%	A	A	A
Hydrochloric, 10%	A	A	A
Hydrochloric, 15%	A	B	C
Hydrochloric, 30%	A	NR	NR
Sulfuric, 20%	A	A	C
Sulfuric, 40%	A	A	C
Sulfuric, 60%	A	C	NR
Phosphoric, 10%	A	A	C
Phosphoric, 24%	A	C	NR
<b>Alkalis</b>			
Detergents	A	A	B
Soaps	A	A	B
Sodium Hydroxide, 25%	A	A	C
Sodium Hydroxide, 50%	A	B	NR
Ammonium Hydroxide, 10%	A	A	A
Ammonium Hydroxide, 20%	A	A	B
<b>Oxidizers</b>			
Bleach (5% Sodium Hypochlorite)	A	A	C
Sodium Hypochlorite, 13%	A	B	C
<b>Salts</b>			
Sea Salt, 25%	A	A	B
Ferric Sulfate, 50%	A	B	B
Ferric Chloride, 35%	A	B	B
Sodium Chloride	A	B	B
<b>Petroleum</b>			
Diesel	A	A	B
Gasoline, Unleaded	A	A	C
Gasoline	A	C	NR
Gasoline 5% MTBE	A	B	NR
Heating Oil	A	A	A
Hydraulic Fluid	A	A	B
JP8	A	A	B
Machine Oils	A	A	B
Motor Oil	A	B	B
Brake Fluid	B	B	C
<b>Solvents</b>			
Chlorinated Solvents >10%	NR	NR	NR
Denatured Alcohol	C	C	NR
D-Limonene	C	C	NR
Ketones (Acetone, MEK)	NR	NR	NR
Xylene	NR	NR	NR
Mineral Spirits	A	A	C
<b>Water and Wastewater</b>			
Water Room Temperature	A	A	A
Water 82°C, 14 Days	A	A	C
10% NaCL + Water Room Temperature	A	A	B
10% NaCL + Water 40°C, 14 Days	A	A	C
Raw Water	A	A	A
Distilled Water	A	A	B
Sea Water	A	A	B
Hydrogen Sulfide Gas	A	A	A
Methane Gas	A	A	B
Raw Sewage	A	A	A
Treated Effluent	A	A	A
Activated Sludge	A	A	A
<b>Others</b>			
Animal Grease/Fats	A	A	B
Antifreeze Solution	A	A	B
Caster Oil	A	A	B
Corn Oil	A	A	B
Diethylene Glycol	A	A	B
Diethyl Toluene Diamine	B	C	C
Diocetyl Phthalate	A	A	B
Methanol	C	NR	NR

**RATINGS INTERPRETATION**

**A**: Suitable for continuous immersion or exposure. Do not see any significant weight gain or swelling and virtually no loss of hardness after full immersion for 6 months at 24°C (75°F).

**B**: Suitable for temporary storage or immersion for up to 3 months. Less than 10% weight gain or loss of hardness after full immersion for 30 days at 24°C (75°F).

**C**: Suitable for temporary exposure to chemical splash or spill, such as secondary containment. Less than 20% weight gain or loss of hardness after full immersion for 3 days at 24°C (75°F).

**NR**: Not recommended for service. Noticeable chemical degradation with more than 20% weight gain and substantial loss of strength and hardness after full immersion for 3 days at 24°C (75°F).

**LIMITATIONS**

The data on this chart must be considered as general guidelines only. It contains information to the best of our knowledge and testing. However, such immersion data is subject to varying interpretations. Application methods and conditions can also greatly affect the performance of the products. Since these factors are out of our control, the buyer assumes all risk of use and handling.

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