



engineered containment

Precidium™ ECS Polyurea

CHEMICAL RESISTANCE CHART A

Recommended R Recommended Conditionally (washdown within 1 hour of spillage) C Not Recommended N Suitable for immersion and/or splash and spillage conditions 1 Suitable for occasional/intermittent contact for up to 72 hours 2	Test Procedure: ASTM D1308 25°C Exceeds 1 Year Test Media Rating Acetone C Antifreeze R Benzene R Benzoic Acid R Butyl Alcohol R Butyl Cellosolve R Carbon Dioxide R Calcium Hypochlorite N Chlorine (5000 ppm in water) 2 Citric Acid R Cyclohexanol R Dichloacetic Acid C Dimethyl Formamide N Ethanol 2 Ethylene Glycol 1 Gasoline R Hexane R Hydraulic Oil R Lactic Acid 10% 1 Methylene Chloride C Methyl Ethyl Ketone C Methanol R Mineral Spirits R Monobutyl Ether R Nitric Acid 20% C Phenol 2 Skydrol 2 Sodium Bicarbonate R Sodium Chloride R Sodium Hydroxide 50% R Sodium Hypochlorite 10% 2 Stearic Acid R Sulfuric Acid 70% N Trichloroethylene C Trisodium Phosphate R Toluene C Vinegar R Xylene C
Test Procedure: ASTM D3912 25°C Exceeds 1 Year Test Media Rating Acetic Acid, 10% C Ammonium Hydroxide 10%/20 R Diesel Fuel R Gasoline R Hydraulic Fluid R Hydrochloric Acid 5%/10% R Methanol R Motor Oil R MTBE R MTBE/Gasoline 5% R NaCl/Water 10% R Phosphoric Acid 10% R Potassium Hydroxide 10%/20% R Sodium Hydroxide 10%/20%/50% R Sugar/Water 10% R Sulfuric Acid 5%/10% R Skydrol 2 Toluene C Water R 2-Methylbutane R	
Test Procedure: ASTM B117, after 1000 hours Test Result Blistering, Bare Steel None Corrosion from Scribe, mm 4.0 Adhesion, psi, Elcometer >2000 Note: Applied at 2-mil blast profile, KTA-Tator panels. No primer.	
These are approximate values only and should not be considered specifications. This data sheet is intended for general information only.	

Calgary
403.294.0080

Drayton Valley
780.542.3364

Leduc
780.986.9599

Red Deer
403.505-2007



engineered containment

Precidium™ ECS Polyurea

CHEMICAL RESISTANCE CHART B

Measurements were taken after 200 hours of storage at room temperature.

KEY (decrease in Mechanical Properties):

1 - 0 to 5% Decrease

2 - 5 to 15% Decrease

3 - > 15% Decrease

Chemical	Rating	Chemical	Rating
Acetic Acid, 2%	1	Linseed Fatty Acid	1
Acetic Acid, 5%	1	Methanol	2
Acetic Acid, 10%	1	Methylene Chloride	3
Acetic Acid, 50%	3	Nitric Acid, 10%	1
Ammonia, 5%	1	Phosphoric Acid, 25%	1
Boric acid, 4%	2	Phosphoric Acid, 50%	1
Caustic Soda, 10%	1	Potash, 20%	1
Caustic Soda, 40%	1	Saline Solution, 30%	1
Caustic Soda, 50%	1	Soda Solution, 20%	2
Chlorine, 3%	2	Sugar Solution, 30%	1
Citric Acid, 10%	1	Sulphuric Acid, 10%	1
Formaldehyde, 37%	1	Sulphuric Acid, 25%	1
Formic Acid, 2%	1	Sulphuric Acid, 50%	2
Formic Acid, 5%	1	Sulphuric Acid, 60%	2
Formic Acid, 10%	2	Tannic Acid, 20%	1
Hydrochloric Acid, 45%	2	Xylene	2
Hydrogen Peroxide, 10%	1		
Lactic Acid, 45%	2		

These are approximate values only and should not be considered specifications. This data sheet is intended for general information only.