



## Chemical Resistance of Thortex Corrosion & Chemical Protection Products at 20°C

SYMBOLS: 1= Suitable for continuous immersion at 20°C. 2= Short term immersion (<3 days). 3= Splashes and Spills. 4= Not recommended

CHEMICAL	CHEMI-TECH									CORRO-TECH				UNI-TECH	POLY-NOX
	EP	CR	PW	UW	UC	USR	PU	152LV	GP	HP	MIO	UV	UV		
Acetic Acid <10%	2	2	2	2	1	2	2	2	3	2	3	2	2	3	
Acetic Acid <20%	3	3	3	3	2	3	3	3	4	3	3	3	3	4	
Acetic Acid >20%	4	4	4	4	2	3	4	4	4	4	4	3	3	4	
Acetone	3	3	3	3	3	2	4	4	3	3	3	3	3	4	
Allyl Alcohol	2	2	2	2	2	1	2	2	2	2	2	2	2	4	
Alums	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Aluminum Chloride (dry)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Aluminum Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Hydroxide 0-10%	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Hydroxide 10-20%	2	2	2	2	1	2	2	2	1	1	1	1	1	2	
Ammonium Hydroxide 20%+	3	3	2	2	2	2	2	2	2	3	2	2	2	3	
Ammonium (mono) Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium (di) Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium (tri) Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Ammonium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Amyl Acetate	3	2	2	2	2	1	2	3	2	2	2	2	2	4	
Amyl Alcohol	3	2	2	2	2	1	2	2	2	2	2	2	2	4	
Antimony Oxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Apple Juice	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Argon	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arsenic Acid	2	2	2	1	1	1	2	2	3	2	2	2	2	3	
Asphalt Emulsion	2	1	1	1	1	1	2	2	2	2	2	1	1	3	
Aviation Fuel	2	1	2	1	1	1	2	2	2	2	2	2	2	3	
Barium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Barium Sulphide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Beet	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Beet Sugar Liquor	2	2	2	2	1	1	2	2	3	2	2	2	2	3	
Benzaldehyde	3	3	3	3	2	3	3	3	3	3	3	3	3	4	
Benzene	3	3	3	2	2	3	3	3	3	3	2	2	2	4	
Benzoic Acid	3	3	2	2	1	2	3	3	3	2	2	2	2	4	
Bleach	3	2	2	2	1	1	2	2	3	2	2	2	2	4	
Brake Fluid (guide)	2	1	1	1	1	1	2	1	2	2	2	2	2	3	
Brine	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Bunker Oil	1	1	1	1	1	1	1	1	1	1	2	2	1	3	
Buttermilk	1	1	1	1	1	1	1	1	2	1	1	1	1	3	
Butyl Acetate	3	2	3	2	2	1	3	3	2	2	2	2	2	4	
Butyl Alcohol	2	2	2	2	2	1	3	2	3	2	2	2	2	4	
Calcium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Hypochlorite	3	2	2	2	1	1	2	2	3	2	2	2	2	3	
Calcium Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Carbon Dioxide Dry	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

CHEMICAL	CHEMI-TECH								CORRO-TECH				UNI-TECH	POLY-NOX
	EP	CR	PW	U	W	UC	USR	PU	152LV	GP	HP	MIO	UV	
Carbon Monoxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Carbon Tetrachloride	3	3	3	3	3	2	3	3	3	3	3	3	3	3
Carbonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Caster Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorine Dry	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Chlorine Wet	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Chloroacetic Acid	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Chlorobenzene	3	3	3	3	3	2	3	3	3	3	3	3	3	3
Chloroform	3	3	3	3	3	2	3	3	3	3	3	3	3	3
Cider	1	1	1	1	1	1	1	1	2	2	2	1	1	2
Coconut Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Cod Liver Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Copper Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Corn Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Cotton Seed Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Creosote	4	4	4	4	2	2	2	4	4	3	3	3	3	4
Cresylic Acid	4	4	4	4	2	2	2	4	4	3	3	3	3	4
Crude Oil Sweet	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Crude Oil Sour	2	1	1	1	1	1	1	2	2	2	2	2	2	3
Cyclohexane	2	1	1	1	1	1	2	2	2	2	2	2	2	4
Cyclohexanol	2	2	2	2	2	2	2	2	2	2	2	2	2	4
Di-Acetone Alcohol	3	2	2	2	2	2	3	2	2	2	2	2	2	4
Di-Butyl Adipate	2	1	1	1	1	1	1	1	1	1	1	1	1	3
Di-Butyl Ether	3	3	3	3	3	3	3	3	3	3	3	3	3	4
Di-Ethyl Amine	3	2	2	2	2	2	3	3	3	2	2	2	2	4
Di-Ethyl Ether	3	3	3	3	3	2	3	3	3	3	3	3	3	4
Diesel Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Di-Octyl Adipate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ethyl Acetate	3	3	3	3	2	1	3	3	3	2	2	2	2	4
Ethyl Acrylate	2	2	2	2	2	1	2	2	2	2	2	2	2	1
Ethyl Alcohol	3	3	2	2	2	1	2	2	2	2	2	2	2	4
Ethylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Ferric Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Ferric Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Formic Acid	3	3	3	3	2	3	3	3	3	3	3	3	3	4
Gasoline	1	1	1	1	1	1	1	1	1	1	2	2	1	2
Gin	2	2	2	2	2	1*	2	2	2	2	2	2	2	3
Glucose Solution	2	1	1	1	1	1	2	2	2	2	2	2	2	3
Glycerol	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Grapfruit juice	2	1	1	1	1	1	2	2	2	2	2	2	2	3
Heptane	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Hexane	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Hexanol	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Hydrobromic Acid dilute	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hydrochloric Acid 0-10%	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hydrochloric Acid 10-20%	1	1	1	1	1	1	2	1	2	1	1	1	1	1
Hydrochloric Acid 20%+	3	3	3	3	1	3	3	3	3	2	2	2	2	3
Hydrofluoric Acid 10%	3	3	3	3	1	3	3	3	3	2	2	2	2	3
Hydrofluoric Acid 20%	4	4	4	4	2	4	4	4	4	4	4	4	4	4
Hydraulic Oil (Guide)	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Iso Propyl Ether	3	3	3	3	3	2	3	3	3	3	3	3	3	3
Iso Octane	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Kerosine	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Lactic Acid	2	2	2	2	1	2	2	2	2	2	2	2	2	3

CHEMICAL	CHEMI-TECH								CORRO-TECH				UNI-TECH	POLY-NOX
	EP	CR	PW	UW	UC	USR	PU	152LV	GP	HP	MIO	UV	UV	
Lard	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lemon Juice	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lime Water	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Linoleic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Linseed Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LPG	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lubricating Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Maleic Acid	3	3	3	3	1	3	3	3	3	3	3	3	3	3
Margarine	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mercury	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Methane	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Methyl Acetate	3	3	3	3	3	2	3	3	3	3	3	3	3	4
Methyl Alcohol	3	3	3	3	2	1	3	3	3	2	2	2	2	3
Methyl Cellosolve	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Methylene Chloride	4	4	4	4	4	3	4	4	4	4	4	4	4	4
Methyl Ethyl Ketone	3	3	3	3	3	2	3	3	3	3	3	3	3	4
Milk	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mineral Spirit	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Molasses	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Naptha	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Natural Gas	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nitric Acid 0-10%	1	1	1	1	1	1	1	1	2	1	1	1	1	1
Nitric Acid 10-20%	2	2	2	2	1	2	2	2	3	2	2	2	2	3
Nitric Acid 20%+	4	4	4	4	2	4	4	4	4	4	4	4	4	4
Nitrous Acid (dilute)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Octane	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Oleum	4	4	4	4	2	4	4	4	4	4	4	4	4	4
Oleic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Olive Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Orange Juice	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ozone dry	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ozone wet	3	2	2	2	2	2	2	2	2	2	2	2	3	3
Parafin	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Parafin Wax	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Palmitic Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Palm Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Petrol	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Petroleum Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (100%)	4	4	4	4	2	4	4	4	4	4	4	4	4	4
Phenol (10% solution)	4	3	3	3	2	3	3	3	4	4	4	4	4	4
Phosphoric Acid (dilute)	1	1	1	1	1	1	1	1	2	1	1	1	1	1
Phosphoric <75%	3	3	3	3	1	3	3	3	3	3	3	3	3	3
Pinapple Juice	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pine Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pitch	2	2	2	2	1	2	2	2	2	2	2	2	2	3
Potassium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Chlorate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Diphosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Ferricyanide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Iodide	1	1	1	1	1	1	1	1	1	1	1	1	1	1

CHEMICAL	CHEMI-TECH								CORRO-TECH				UNI-TECH	POLY-NOX
	EP	CR	PW	UW	UC	USR	PU	152LV	GP	HP	MIO	UV	UV	
Potassium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Permanganate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium Sulphide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Propane	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Propanol (normal)	2	2	2	2	2	1	2	2	2	2	2	2	2	4
Propanol (iso)	2	2	2	2	2	1	2	2	2	2	2	2	2	4
Propylene Glycol	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Propylene Glycol Methyl Ether	2	2	2	2	2	1	2	2	2	2	2	2	2	2
Propylene Glycol Methyl Ether-Acetate	2	2	2	2	2	1	2	2	2	2	2	2	2	2
Pyridine	3	3	3	3	3	2	3	3	3	3	3	3	3	4
Sewage	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Silicone Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Silver Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Soaps	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bisulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Borate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chlorate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Chromate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Hypochlorite (12% chlorine)	3	3	3	3	2	1	3	3	3	3	3	3	3	2
Sodium Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Silicate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Thiosulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sodium Triphosphates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Soyabean Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Starch	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Styrene	3	3	3	3	2	1	3	3	3	1	1	1	1	3
Sulphuric Acid 0-10%	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Sulphuric Acid 10-20%	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Sulphuric Acid 20%+	4	4	4	4	1	3	4	4	4	3	3	3	3	4
Sulphur Dioxide dry	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Sulphuric Dioxide wet	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Tall Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tar	2	2	2	2	2	2	2	2	2	2	2	2	2	3
Tartaric Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Terpentine	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tetrachlorethylene	3	3	3	3	3	2	3	3	3	3	3	3	3	4
Tomato Juice	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Toluene (Toluol)	2	2	2	2	2	1	2	2	2	1	1	1	1	3
Transformer Oil	2	1	1	1	1	1	1	1	1	1	2	2	2	1
Tri Butyl Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Trichloroethylene	3	3	3	3	3	2	3	3	3	3	3	3	3	4
Tung Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Urea	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Vegetable Oils	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Vinegar	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Vodka	2	2	2	2	2	1*	2	2	2	2	2	2	2	3

CHEMICAL	CHEMI-TECH									CORRO-TECH				UNI-TECH	POLY-NOX
	EP	CR	PW	UW	UC	USR	PU	152LV	GP	HP	MIO	UV	UV		
Water (distilled, fresh mineral, sea, brine etc.)	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Waxes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Wax Emulsions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Whiskey	2	2	2	2	2	1*	2	2	2	2	2	2	2	3	
White Spirit	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Wine	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Xylene	2	2	1	2	2	1	2	2	2	1	1	1	1	3	
Zinc Chloride	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Hydrosulphite	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Sulphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

\* Thortex Chemi-Tech USR is resistant to these spirits but the product is not approved for food contact.

**The information given in this chart is for guide purposes, confirmation testing is advisable prior to use for tank lining purposes.**