

CORROSION EXPOSURE CHART



DEFINITION OF RATINGS

- EXCELLENT**
No effect on normal coating life
 - GOOD**
Minimal effect on coating life
 - FAIR**
Useable, but reduced coating life
 - NOT RECOMMENDED**
Impractical coating life
 - N/A**
Not Applicable
- Splash & Spill/Short Intervals
 - Direct Exposure/Extended Intervals

		WATER		ORGANIC ACIDS						INORGANIC ACIDS								ALKALIS																							
		Fresh	Salt	Fresh, 150 °F	Salt, 150 °F	Acetic 10%	Acetic, Glacial	Benzoic	Citric 10%	Lactic, Dilute	Maleic 25%	Oleic 100%	Picric 10%	Fatty Acids 100%	Boric	Hydrochloric (Concen.) 37%	Hydrochloric 20%	Hydrochloric 10%	Hydrofluoric 40%	Nitric 30%	Nitric 10%	Phosphoric 85%	Phosphoric 50%	Phosphoric 20%	Sulphuric 98%	Sulphuric 10-50%	Sulfuric 10%	Ammonium Hydroxide 28%	Ammonium Hydroxide 10-20%	Calcium Hydroxide, Dilute	Potassium Hydroxide (Sat'd)	Potassium Hydroxide 50%	Potassium Hydroxide 25%	Sodium Hydroxide 10%	Sodium Hydroxide 70%	Sodium Hydroxide 50%	Sodium Hydroxide 25%				
Alkyd Urethanes & Enamels	V200	Alkyd Urethane Gloss	●																																						
	V201	Alkyd Urethane Semi-Gloss	●																																						
	V210	Water Reducible Alkyd Enamel	○																																						
	V220	Rapid Dry Alkyd Enamel	○																																						
	V225	High Solids Rapid Dry Enamel	○																																						
	V230	Quick Dry Alkyd Enamel Gloss	○																																						
	V231	Quick Dry Alkyd Enamel Semi-Gloss	○																																						
	V260	Electrostatic Enamel Semi-Gloss	○																																						
WB Acrylics	V300	Quick Dry Acrylic Spray DTM Gloss	○																																						
	V330	Acrylic DTM Enamel Gloss	○																																						
	V331	Acrylic DTM Enamel Semi-Gloss	○																																						
	V341	PreCatalyzed Waterborne Epoxy Semi-Gloss	○																																						
	V342	PreCatalyzed Waterborne Epoxy Eggshell	○																																						
2-Component Epoxies	V157	Coal Tar Epoxy	○																																						
	V160	Epoxy Mastic Coating	○																																						
	V400	Polyamide Epoxy Coating	○																																						
	V410	Fast Dry Polyamide Epoxy	○																																						
	V430	100% Solids Epoxy	○																																						
	V440	Amine Adduct Epoxy	○																																						
	V450	Acrylic Epoxy	○																																						
2-Component Urethanes	V500	Aliphatic Acrylic Urethane Gloss	○																																						
	V510	Aliphatic Acrylic Urethane Semi-Gloss	○																																						
	V515	Aliphatic Urethane Gloss	○																																						
	V520	Polyester Urethane Gloss	○																																						
	V530	Quick-Cure System Polyurea Basecoat	○																																						
	V531	Quick-Cure System Polyaspartic Topcoat	○																																						

NOTE: all coatings must be fully cured to meet these exposures
NOTE: this chart covers finish coats only. use primers recommended on individual finish coat technical data sheet
NOTE: proper surface preparation is critical to obtain resistance in all cases

Benjamin Moore & Co. makes no guarantee as to the suitability of any product listed on this chart in the presence of any chemical reagent. All tests for resistance were completed under laboratory conditions. Temperature, humidity and other factors influence the rate at which certain chemicals react with coatings. For best results, test each coating in actual field conditions for suitability. Fading and chalking may occur on certain product types, however chemical resistance is generally not compromised.

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		GASES					SOLVENTS					FATS/OILS		ACID SALTS			ALKALINE SALTS			MISC.			WEATHER																											
		Chlorine, Dry	Chlorine, Wet	Sulphur Dioxide, Dry	Sulphur Dioxide, Wet	Hydrogen Sulfide, Wet	Acetone	Alcohol	Benzene	Carbon Tetrachloride	Chloroform	Ethylene Chloride	Gasoline	Ketones	Toluene	Trichloroethylene	Xylene	Dry Cleaning, Solvents	Animal	Vegetable	Mineral	Aluminum Nitrate 10%	Ammonium Chloride	Copper Sulfate	Ferric Nitrate	Zinc Sulfate	Barium Sulfide	Sodium Sulfide	Sodium Bicarbonate	Sodium Carbonate	Sodium Sulfide	Trisodium Phosphate 10%	Formaldehyde 37%	Phenol 5%	Refinery Crudes	Hydraulic Fluids	Transmission Fluids	Skydrol	Coastal	Inland Industrial	Inland Commercial									
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