

TECHNICAL DATA



CHEMICAL RESISTANCE OF ZEBRON® COATINGS

MEDIUM	EFFECTS	APPLYING OR TESTING AGENCY
Water at Ambient at 250°F	No effect 0.4 mg, extractives per square inch in 2 hrs.	U.S. Testing Company per FDA Standards.
Sea Water, Immersion	1. No effect in 4 yrs. 2. Six year exposure on piles no effect 3. One year immersion of scribed panel. No edge lifting, no deterioration - coating intact	U.S. Coast Guard Rensselaer Polytechnic Institute Rensselaer Polytechnic Institute
ACIDS		
Phosphoric 50 percent	No effect	N.W. Testing Lab
Sulfuric 20 percent	No effect	L.A. Engineering Bureau
Sulfuric 50 percent	No effect	ZEBRON® R&D
Acetic 20 percent	No effect	L.A. Engineering Bureau
Hydrofluoric 37 percent	Slight Discoloration	ZEBRON® R&D
Hydrofluoric 10 percent	Surface Cloudiness	N.W. Testing Lab
Hydrogen Sulfide	Slight Discoloration	Orange County Sanitation
Chromic 15 percent	No effect	N.W. Testing Lab
Aqua Regia	No effect	N.W. Testing Lab
BASES		
Sodium Hydroxide 5 percent	No effect	L.A. Engineering Bureau
Sodium Hydroxide 33 percent	No effect	ZEBRON® R&D
Ammonium Hydroxide 5 percent	No effect	L.A. Engineering Bureau
Ammonium Hydroxide 5 percent	No effect	ZEBRON® R&D
ALCOHOL		
Ethanol at 150°F 8 percent	0.2 mg. extractives per square Inch in 2 hrs.	U.S. Testing Company per FDA Standards
HYDROCARBONS		
Crude Oil	No effect	ZEBRON® R&D
Heptane at 150°F	0.2 mg. extractive per square inch in 2 hrs.	U.S. Testing Company
Petroleum oils and greases	No effect	per FDA Standards
Soap and Detergent	No effect	L.A. Engineering Bureau
Vegetable oils and greases	No effect	L.A. Engineering Bureau
SALT SOLUTIONS		
Sodium Chloride 5 percent	No effect	Rensselaer Polytechnic Institute
Ambient 250°F	Softens, no other effect	Tennessee Gas
Sodium Chloride 20 percent	No effect	N.W. Testing Lab
Magnesium Sulfate, saturated Ambient	No effect	ZEBRON® R&D
Ferric Chloride 1 percent	No effect	L.A. Engineering Bureau
Sodium Sulfate (wet solid)	No effect	N.W. Testing Lab
Sodium Sulfite (wet solid)	No effect	N.W. Testing Lab
Sodium Carbonate (wet solid)	No effect	N.W. Testing Lab