



CHEMICAL RESISTANCE TESTING SUMMARY (Oct. 2008)

One (1) Application of RetroGuard™ - 1500 ft²/gal.

Test Methods: Stain Resistance – ASTM D 1308

The treatment was applied in accordance with the *RetroGuard Product Data Sheet* instructions and allowed to cure for 7 days prior to testing. The soiling agents were allowed to dwell on the treated and untreated substrates for times of 15 minutes and 1 hour. Evaluation consisted of a visual examination of the tested areas to determine the effect the reagent had on the sample using the following scale:

E = Excellent (No Adverse Effects) **F = Fair (Moderate Adverse Effects)**

G = Good (Limited Adverse Effects) **P = Poor (Unsatisfactory)**

Test results were obtained under laboratory conditions. Reasonable variations can be expected due to environmental conditions, etc.

Chemical	Effect 15 min.	Effect 1 hr.
Acids		
10% Citric	G	G
10% Acetic	G	G
10% Oxalic	G	G
10% Hydrochloric	F	P
35% Hydrochloric	P	P
10% Phosphoric	G	F
70% Phosphoric	E	G
10% Sulfuric	E	G
50% Sulfuric	P	F
Alcohols		
Benzyl Alcohol	F	F
Ethyl Alcohol	E	F
Isopropyl Alcohol	E	E
Methyl Alcohol	E	E
Ethylene Glycol	E	E
Salts		
Ammonium Chloride	E	E
Calcium Chloride	E	E
Sodium Bicarbonate	E	G
Sodium Chloride	E	E
Sodium Carbonate	E	G

Chemical	Effect 15 min.	Effect 1 hr.
Bases		
5% Ammonium Hydroxide	E	G
30% Ammonium Hydroxide	E	G
10% Potassium Hydroxide	E	G
45% Potassium Hydroxide	G	F
10% Sodium Hydroxide	E	G
50% Sodium Hydroxide	E	G
Solvents		
Acetone	G	G
Mineral Spirits	E	G
Xylene	G	G
MEK	G	G
Hydraulic Fluids / Oils / Fuels		
Gasoline	E	G
Brake Fluid	E	G
Motor Oil	E	G
Automatic Transmission Fluid	E	G
Skydrol	G	F
Other Chemicals / Misc.		
Cola	E	E
Mustard	G	G
Ketchup	G	G
Red Wine	G	G
Balsamic Vinegar	G	G
Vegetable Oil	G	F
Bleach (Sodium Hypochlorite)	E	E
Tap Water	E	E
Laundry Detergent (Tide)	E	G
Lemon Juice	G	G