



Chemical Resistance of PrimeLiner Base/30 and Base /60 Epoxy Resin

Test specimens of 4 x .6 x .4 inches were cured over 10 days at 68°F and then immersed in the following chemicals for one year.

Results:

Duration of test in months	Hardner 60				Hardner 30			
	1	3	6	12	1	3	6	12
Acetone	0	0	-	-	-	-	-	-
Adipic acid	+	+	+	+	+	+	0	0
Ammonia 10 %	+	+	+	+	+	+	+*	+*
Ammonia 25 %	+	+	+	+	+	+	+*	+*
Ammonium sulfate 10 %	+	+	+	+	+	+	+	+
Saturated ammonium sulfate	+	+	+	+	+	+	+	+
Ammonium chloride 10 %	+	+	+	+	+	+	+	+
Saturated ammonium chloride	+	+	+	+	+	+	+	+
Ethanol	+	+	+	+	+	+	0	0
Formic acid 5 %	+	+	+	+	0	0	0	-
Ethyl acetate	+	+	+	0	-	-	-	-
Ethylene glycol	+	+	+	0	+	+	+	+
Ethyl cellosolve	+	+	+	0	0	-	-	-
Ethanol amine	+	+	+	+	+	+	+	+
Gasoline (car fuel)	+	+	+	+	+	+	+	+
Benzene	+	+	+	+	-	-	-	-
Gasoline (car fuel) - Benzene 1 to 1	+	+	+	+	+	0	0	-
Beer	+	+	+	+	+	+	+	+
Butanol	+	+	+	+	+	+	+	0
Butyl acetate	+	+	+	0	+	+	0	-
Chlorinated lime solution 50 %	+	+	+	+	+	+	+	+
Chromic acid 10 %	+*	+*	+*	+*	+*	+*	0*	0*
Chromic acid 50 %	+*	+*	+*	+*	+*	0*	0*	0*
Coca-Cola	+	+	+	+	+	+	+	+
Cyclohexane	+	+	+	+	+	+	+	+
Cyclohexanone	0	-	-	-	-	-	-	-
Cyclohexanol	+	+	+	+	+	+	+	+
Di butyl ether	+	+	+	+	+	+	0	0
Distilled water	+	+	+	+	+	+	+	+
Dubutyl phthalate	+	+	+	+	+	+	+	+
Diesel fuel	+	+	+	+	+	+	+	+
Dioxane	0	-	-	-	-	-	-	-
Dowtherm	+	+	+	+	+	+	+	+

Legend:

+ unaltered

* discoloration

0 softening

- destroyed



Duration of test in months	Hardner 60				Hardner 30			
	1	3	6	12	1	3	6	12
Jet fuel (Kerosene)	+	+	+	+	+	+	+	+
Iron III chloride 20 %	+	+	+*	+*	+	+	+*	+*
Acetic acid 5 %	+	+	+	+	+	0	0	0
Acetic acid 10 %	+	+	0	0	0	-	-	-
Leaded car fuel	+	+	+	+	+	+	+	+
Unleaded car fuel	+	+	+	+	+	+	+	+
Photographic fixative	+	+	+	+	+	+	+	+
Hydrofluoric acid 5 %	+	+	+*	+*	+	0*	0*	0*
Formaldehyde 35 %	+	+	+	+	+	+	+	+
Used car lube oil	+	+	+	+	+	+	+	+
Grapefruit juice	+	+	+	+	+	+	+	+
Glycerine	+	+	+	+	+	+	+	+
Iso propyl ether	+	+	+	+	+	+	+	+
Iso propanol	+	+	+	+	+	+	+	+
Whitewash	+	+	+	+	+	+	+	+
Sodium chloride 10 %	+	+	+	+	+	+	+	+
Saturated sodium chloride solution	+	+	+	+	+	+	+	+
Tap water	+	+	+	+	+	+	+	+
Sea water	+	+	+	+	+	+	+	+
Methanol	+	0	-	-	0	-	-	-
Methyl ethyl ketone	+	0	-	-	+	0	-	-
Methylene chloride	0*	-	-	-	-	-	-	-
Methyl isobutyl ketone	+	+	+	0	+	0	0	0
Molasses	+	+	+	+	+	+	+	+
Lactic acid 10 %	+	+	+	+	0*	0*	0*	0*
Petroleum	+	+	+	+	+	+	+	+
Sodium bisulphite 40 %	+	+	+	+	+	+	+	+
Sodium sulfite 20 %	+	+	+	+	+	+	+	+
Sodium hypochloride 12 %	+	+	+	+	+	+	+	+
Sodium hydroxide 10 %	+	+	+	+	+	+	+	+
Sodium hydroxide 50 %	+	+	+	+	+	+	+	+
Oxalic acid 10 %	+	+	+	+	+	+	+	+*
Petroleum	+	+	+	+	+	+	+	+
Photographic developer	+	+	+	+	+	+	+	+
Phosphoric acid 10 %	+	+	+	+	+	0	0	0
Phosphoric acid 50 %	+	+	+*	0*	0	-	-	-
Ricinolic acid	+	+	+	+	+	+	+	+
Red wine	+	+	+	+	+	+	+	+
Nitric acid 10 %	+	+	+*	+*	+	0	-	-
Nitric acid 50 %	0*	-	-	-	-	-	-	-
Hydrochloric acid 10 %	+	+	+	+	+	+	+*	+*
Hydrochloric concentrate	+*	+*	+*	+*	+	0	0	-
Sulfuric acid 10 %	+	+	+	+	+	+	+	+
Sulfuric acid 25 %	+	+	+	+	+	+	0	0
Sulfuric acid 50 %	+	+	+	+	+	0	-	-

Legend: + unaltered

* discoloration

0 softening

- destroyed



Duration of test in months	Hardner 60				Hardner 30			
	1	3	6	12	1	3	6	12
Soap solution	+	+	+	+	+	+	+	+
Sodium carbonate 10 %	+	+	+	+	+	+	+	+
Saturated sodium carbonate solution	+	+	+	+	+	+	+	+
Monomeric styrene	0	-	-	-	-	-	-	-
Turpentine	+	+	+	+	+	+	+	+
White spirit	+	+	+	+	+	+	+	+
Thioglycolic acid	-	-	-	-	-	-	-	-
Teepol	+	+	+	+	+	+	+	+
Toluene	+	+	+	+	0	-	-	-
Tomato juice	+	+	+	+	+	+	+	+
Trethylene tetramine	0	-	-	-	-	-	-	-
Trichloro ethylene	-	-	-	-	-	-	-	-
Urine	+	+	+	+	+	+	+	+
Hydrogen peroxide 10 %	+	+	+	+	+	+	+	* * *
Hydrogen peroxide 30 %	* 0*	-	-	-	+	-	-	-
Xylene	+	+	+	+	+	+	0	-
Citric acid 10 %	+	+	+	+	+	+	+	+

Legend: + unaltered

* discoloration

0 softening

- destroyed