

Nelplas® Protective Wallcovering Test Results—Chemical Resistance

CHEMICAL RESISTANCE ASTM D-543

Chemical	7 Days Immersion at 73°F	Chemical	7 Days Immersion at 73°F
50% Hydrofluoric Acid	No Change	5% Phenol	Very Slightly Whitened
30% Hydrofluoric Acid	No Change	10% Sodium Chloride	No Change
62% Perchloric Acid	No Change	3% Hydrogen Peroxide	No Change
50% Perchloric Acid	No Change	95% Ethyl Alcohol	No Change
10% Hydrofluoric Acid	No Change	50% Ethyl Alcohol	No Change
30% Sulfuric Acid	No Change	Acetone	Attacked
3% Sulfuric Acid	No Change	Ethyl Acetate	Attacked
70% Nitric Acid	No Change	Ethylene Dichloride	Attacked
50% Nitric Acid	No Change	Carbon Tetrachloride	Very Slightly Whitened
30% Nitric Acid	No Change	Toluene	Attacked
10% Nitric Acid	No Change	Heptane	No Change
10% Citric Acid	No Change	Trichloroethylene	Attacked
5% Acetic Acid	No Change	Lube Oil Mil-O-5606	No Change
10% Citric Acid	No Change	Lube Oil Mil-L-7808	No Change
Oleic Acid	No Change	Lube Oil Mil-L-23699	No Change
10% Sodium Hydroxide	No Change	ASTM Oil No. 3	No Change
1% Sodium Hydroxide	No Change	Jet Fuel JP-4	No Change
10% Ammonium Hydroxide	No Change	Jet Fuel JP-5	No Change
2% Sodium Carbonate	No Change	Water	No Change

CHEMICAL AND STAIN RESISTANCE TO POTABLE LIQUIDS, CLEANERS, POLISHES, DETERGENTS, ETC. AFTER 30 DAYS CONTACT

Material	Chemical Resistance		Staining Tendency	
	73°F	140°F	73°F	140°F
Wesson Oil	No Change	No Change	None	None
Mazola Corn Oil	No Change	No Change	None	Slight
Coppertone Suntan Oil	No Change	No Change	None	Slight
Skol Suntan Oil	No Change	No Change	None	Medium
Lestoil	No Change	Slight Attack	None	Slight
Simoniz Wax	No Change	No Change	Very Slight	Medium
Household Ammonia	No Change	Slight Attack	None	Slight
"All" Detergent	No Change	No Change	None	Slight
Regular Esso Gasoline	No Change	-	Very Slight	-
Mennen Skin Bracer	No Change	-	None	-
Tomato Juice	No Change	No Change	Very Slight	Medium
Prune Juice	No Change	No Change	Very Slight	Slight
Orange Juice Concentrate	No Change	No Change	Very Slight	Slight
Tea	No Change	No Change	Slight	Slight
Coffee	No Change	No Change	Very Slight	Medium
Bright Sail Bluing	No Change	No Change	Medium	Medium
Johnson's Pride	No Change	No Change	None	Slight
Isopropyl Alcohol	No Change	-	None	-
Cold Cream, Pond's	No Change	No Change	None	Slight
Butter	No Change	No Change	None	Slight
Mayonnaise	No Change	No Change	None	Slight
Mustard	No Change	No Change	Slight	Medium
Grape Juice	No Change	No Change	Slight	Slight
Clorox	No Change	No Change	None	Slight
Rinso Blue	No Change	No Change	None	Slight
Easy Monday Bluing	No Change	No Change	Medium	Medium
Pepsi-Cola	No Change	No Change	None	Slight
Water	No Change	No Change	None	Slight

NELPLAS®
Wall Protection Systems

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