

CHEMICAL	CONCENTRATION	RESULTS
Acetic Acid	5-40%	No Effect
Acetone	-	Not Recommended
Ammonium Hydroxide	5%	No Effect
Benzene	-	No Effect
Benzol Alcohol	-	Little Visable Effect Samples Pitted
Benzoyl Chloride	-	Little Visable Effect
Brake Fluid	-	Little Visable Effect
Diesel Fuel	-	No Effect
Dimethyl Formamide	-	Not Recommended
D-Limonene	-	No Effect
Ethanol	-	Not Recommended
Ethylbenzene	-	No Effect
Ferric Chloride	1-4%	No Effect
Gasoline w/o Ethanol	-	No Effect
Hexane	-	No Effect
Hot Tub Water	-	No Effect 140F with spikes up to 170F
Hydraulic Oil	-	No Effect
Jet Fuel (Jet-A, JP-5, JP-8)	-	No Effect
Kerosene K1	-	No Effect
Methanol	-	Not Recommended
MethylEthylKetone (MEK)	-	Not Recommended
Mineral Spirits	-	No Effect
Motor Oil	-	Little Visable Effect
M-Pyrol (methyl pyrrolidone)	-	Not Recommended
Muriatic Acid	1-10%	No Effect
Nitric Acid	1%	No Effect
Perchlorethylene	-	No Effect
Sodium Hydroxide	5%	No Effect
Sodium Hypochlorite-Clorox	5%	Not Recommended
Styrene	-	No Effect
Sulfuric Acid	1-20%	No Effect
Tap Water	-	No Effect
Tolune	-	No Effect
Vinegar	5%	No Effect
Xylene	-	No Effect

IMPORTANT TO NOTE

SURFACE PREPARATION: Proper surface preparation is the most important factor for the immediate and long-term successful performance of any polymer application. Sprayroq recommends that all surface preparation procedures follow standards set by both the National Association of Corrosion Engineers (NACE) and Society for Protective Coatings (SSPC).

Surfaces must be cleaned of all oils, greases, scale, deposits and other debris or contaminants using water or abrasive blasting methods. Water or foreign substance infiltration must be stopped and the substrate must be allotted the proper amount of time to thoroughly dry before any coatings are applied. There is no such thing as a tolerable amount of moisture when referring to the coating of structures with any kind of polymer. In some cases the substrate will need to obtain a certain profile before proceeding with the coating process.

Sprayroq also recommends that any contractor applying coatings have the proper training to be able to understand possible failures, trouble shooting techniques and proper application testing methods.

TEST DESCRIPTION	METHOD	SPRAYWALL	SPRAYSHIELD GREEN I	SPRAYSHIELD GREEN II
Flexural Modulus	ASTM D790	>735,000 psi / 5,067.6 Mpa	Not Applicable	>75,000 psi / 517.1 Mpa
Long Term Flexural Modulus of Elasticity	ASTM D2990	529,000 psi / 3,647.3 Mpa	Not Applicable	Not Applicable
Tensile Strength, psi	ASTM D638	>7,450 psi / 51.4 Mpa	>2,780 psi / 19.2 Mpa	>2,900 psi / 20.0 Mpa
Elongation %	ASTM D638	<4%	115%	43%
Tear Strength, pli	ASTM D624	Not Applicable	580 pli / 102 Kn/m	593 pli / 104 Kn/m
Compressive Strength	ASTM D695	>18,000 psi / 124.1 Mpa	Not Applicable	Not Applicable
Water Permeation g/day/m ²	ASTM E96	1.65	1.49	1.49
Abrasion, mg loss/1,000 cycles	ASTM D4060	17.7 mg loss	53.0 mg loss	42.0 mg loss
Hardness, Shore D	ASTM D2240	85	62-68	62-68
Density, lbs/ft ³	ASTM D792	87 lbs/ft ³ / 1,394 kg/m ³	67.5 lbs/ft ³ / 1,081 kg/m ³	67.5 lbs/ft ³ / 1,081 kg/m ³
Mannings "N" Factor	-	0.009	0.01	0.01
ANSI-61 through UL	Potable	Yes	No	No
Biobased Content	ASTM D6866	Not Applicable	35%	34%

All third party test results documents are available at sprayroq.com