

# Performance Characteristics

<i>Property</i>	<i>PVDF / Kynar Test Method</i>	<i>PVDF / Kynar Specification</i>	<i>SMP Test Method</i>	<i>SMP Specification</i>
<b>Dry Film Thickness</b>	ASTM D 1400-94 ASTM D 1005-95	0.75 - 0.85 Mil 0.90 - 1.15 Mil		
<b>Specular Gloss</b>	ASTM D 523-89 @ 60 °	10 - 15	ASTM D 523-89 @ 60 °	10 - 80
<b>Humidity Resistance</b>	ASTM D 2247 100% relative humidity @ 95 F	Passes 2000 Hrs	ASTM D 2247 100% relative humidity @ 95 F	Less than 5% No. 8 Blisters
<b>Salt Spray</b>	ASTM B 117 5% salt spray @ 95 ° F	Passes 1000 Hrs with less than 5% #6 Blisters	ASTM B 117 5% salt spray @ 95 ° F	Passes 750 Hrs
<b>Acid Pollutant Resistance</b>	ASTM D 1308-87 20% sulfuric acid 18 hours 10% muriatic acid 15 minutes	No Effect No Effect		
<b>Graffiti Resistance</b>	Cleanability of Defaced Panels; spray paint, pens, etc	No Effect	Cleanability of Defaced Panels; spray paint, pens, etc	No Effect
<b>Abrasion Resistance</b>	ASTM D 968-93 to expose 5/32" of substrate	100 Litres		
<b>Chalk Resistance</b>	ASTM D 4214 Florida Exposure, 10 years @ 45 ° South	8 Max	ASTM D 4214 Florida Exposure, 10 years @ 45 ° South	8 Vertical 7 Non Vertical
<b>Color Retention</b>	ASTM D 2244 (Hunter Units) Florida Exposure, 10 years @ 45 ° South	5 Max	ASTM D 2244 (Hunter Units) Florida Exposure, 10 years @ 45 ° South	5 Vertical 6 Non Vertical
<b>Adhesion</b>	ASTM D 3359-95a Reverse Impacted 1/16" crosshatch	No Adhesion Loss		
<b>Pencil Hardness</b>	ASTM D 3363	HB-H	ASTM D 3363	H-2H (NCCA II-12)
<b>Reverse Impact</b>	ASTM D 2794-93 3000 x inches of metal thickness (lb - in)	No Cracking or loss of Adhesion *	ASTM D 2794-93 3000 x inches of metal thickness (lb - in)	Passes No Pick off with Scotch #610 Tape
<b>Flexibility T - Bend Mandrel</b>	ASTM D 4145-83 No crack, No pick off ASTM D 522-93A 180° bend around 1/8" mandrel	2T - Bend*  No Cracking*	NCCA II-10 Post Forming 180° Bend	1-T to 2-T No Pick off with Scotch #610 Tape
<b>Manufacturers Warranty</b>		20 - 25 Years		15 - 20 Years