



# Film Characteristics and Properties of Acrynar<sup>®</sup> Coatings

Film Characteristics	AAMA 2604 <sup>①</sup> Paragraph Number and Performance Requirements	Acrynar Coating Performance
Colors Available		White, Black, and a wide range of solid colors including micas
Dry Film Thickness	<b>4.3</b> 1.2 mils minimum (2 coats)	0.2 mil min. primer coat; 1.0 mil min. color coat
Color Uniformity	<b>7.1</b> Visually controlled	Color instrumentally and/or visually controlled
60° Gloss, ASTM D-523 <sup>②</sup>	<b>7.2</b> High, medium and low	High, medium and low gloss
Hardness-Berol Eagle Turquoise Pencil	<b>7.3</b> F minimum	H-3H
Adhesion-Crosshatch 1/16" Wet and Dry	<b>7.4</b> No removal	Excellent - no removal
Direct Impact 1/10" Distortion	<b>7.5</b> No removal	Excellent - no removal
Abrasion Resistance ASTM D-968	<b>7.6</b> Abrasion Coefficient Value 20 min.	Meets or exceeds spec.
Acid Resistance 10% Muriatic Acid Spot Test	<b>7.7</b> 15 minutes - no attack	Meets or exceeds spec.
Alkali Resistance Mortar Pat Test	<b>7.7</b> 24 hours - no attack	Meets or exceeds spec.
Detergent Resistance (3%) Immersion @ 100°F	<b>7.7</b> 72 hours - no attack	Meets or exceeds spec.
Resistance to Acid Pollutants	<b>7.7</b> Max. 5ΔE Units (Hunter) Color Change	Meets or exceeds spec.
Salt Spray Resistance 5% Salt @ 100°F	<b>7.8</b> 1/16" max. undercutting 3000 hours exposure	Meets or exceeds spec.
Humidity Resistance 100% RH @ 100°F	<b>7.8</b> Few #8 blisters max. 3000 hours exposure	Meets or exceeds spec.
Weathering - Color Retention ASTM D-2244	<b>7.9</b> Max. 5ΔE Units (Hunter) Color Change 5 yrs., 45° South Florida	Meets or exceeds spec.
Chalk Resistance ASTM D-4214	<b>7.9</b> Max. Rating 8, 5 yrs., 45° South Florida	Meets or exceeds spec.
Erosion	<b>7.9</b> Max. 10% loss - 5 yrs. 45° South Florida	Meets or exceeds spec.
Compatibility with Commercial Sealants and Glazing Putties	Consult sealant manufacturer for recommendations	

① American Architectural Manufacturers Association, "Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels." Publication No. AAMA 2604.

② American Society for Testing and Materials.