

Paint Specification Comparisons

Film Characteristics	AAMA 2605 ¹ Paragraph number and performance requirements	AAMA 2604 ² Paragraph number and performance requirements. (Formerly AAMA 605.2)	AAMA 2603 ³ Paragraph number and performance requirements. (Formerly AAMA 603.8)
Dry Film Thickness	4.3 1.2 mils minimum (2 coats) 1.6 mils minimum (3 coats) 2.6 mils minimum (4 coats)	4.3 1.2 mils minimum (2 coats)	4.3 0.8 mil minimum
Color Uniformity	7.1 visually controlled	7.1 visually controlled	6.1 visually controlled
60° Gloss ASTM⁴ D-523	7.2 high, medium and low	7.2 high, medium and low	6.2 high, medium and low
Hardness: Berol Eagle Turquoise Pencil	7.3 F minimum	7.3 F minimum	6.3 H minimum
Adhesion: 1/16" Cross Hatching Wet and Dry	7.4 no removal	7.4 no removal	6.4 no removal
Direct Impact 1/10" Distortion	7.5 no removal	7.5 no removal	6.5 no removal
Abrasion Resistance ASTM D-968	7.6 Abrasion Coefficient Value 40 min.	7.6 Abrasion Coefficient Value 20 min.	
Acid Resistance 10% Muriatic Acid Spot Test	7.7 15 minutes- no attack	7.7 15 minutes- no attack	6.6.1 15 minutes- no attack
Alkali Resistance Mortar Pat Test	7.7 24 hours- no attack	7.7 24 hours- no attack	6.6.2 24 hours- no attack
Detergent Resistance (3%) Immersion @ 100°F	7.7 72 hours- no attack	7.7 72 hours- no attack	6.6.3 72 hours- no attack
Resistance to Acid Pollutants	7.7 Max 5ΔE Units (Hunter) Color Change	7.7 Max 5ΔE Units (Hunter) Color Change	
Humidity Resistance 100% RH @100°F	7.8 few #8 blisters max. 4000 hours exposure	7.8 few #8 blisters max. 3000 hours exposure	6.7.1 few #8 blisters max. 1500 hours exposure
Salt Spray Resistance 5% Salt @ 100°F	7.8 1/16" max. undercutting 4000 hours exposure	7.8 1/16" max. undercutting 3000 hours exposure	6.7.2 1/16" max. undercutting 1500 hours exposure
Weathering Color Retention ASTM D-2244	7.9 Max 5ΔE Units (Hunter) Color Change 10 yrs., 45° South Florida	7.9 Max 5ΔE Units (Hunter) Color Change 5 yrs., 45° South Florida	Weather Exposure 6.8 1000 hours Weather-O-Meter and 1 year South Florida exposure; no loss of adhesion, minimal color change
Chalk Resistance ASTM D-4214	7.9 Max Rating 8, 10 yrs., 45° South Florida	7.9 Max Rating 8, 5 yrs., 45° South Florida	
Erosion	7.9 Max 10% loss, 10 yrs., 45° South Florida	7.9 Max 10% loss, 5 yrs., 45° South Florida	

¹ American Architectural Manufacturers Association, Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels." Publication No. AAMA 2605

² 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

³ 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

⁴ ASTM American Society for Testing and Materials