

Test	AAMA 2604 Criteria	Sierra Pacific Powder Performance
Film Thickness	Minimum thickness of 1.2 mil	2.5 to 3 mils
Pencil Hardness	Minimum F	2H/Exceeds
Adhesion Tests		
Cross Hatch Adhesion	No film removal allowed	Pass
Wet Film Adhesion	No film removal or blistering after immersion in water @ 100°F for 24 hours	Pass
Boiling Water Adhesion	No film removal or blistering after immersion in boiling water for 30 minutes	Pass
Impact Resistance		
Impact Test	Use impact tool to dent surface. Apply tape to dented area and remove. No coating removal allowed.	Pass
Abrasion Resistance		
Abrasion Resistance	The abrasion resistance of the coating is calculated according to a falling sand test method. This is measured according to the amount of sand in liters required to remove 1 mil of coating. 20 minimum.	Pass
Corrosion Resistance		
Humidity Resistance	Evaluates a coating's resistance to delamination in a high humidity environment. The coating is first scribed completely through its cross-section and then exposed to 100% relative humidity at 100° F for 3000 hours. A visual inspection for blisters in the coating determines pass or fail.	3000 Hours
Salt Spray Resistance	Shows a coating's resistance to delamination in a highly corrosive environment. The coating is first scribed through its cross-section and then exposed to 5% salt fog for 3000 hours. Immediately apply tape over the scored area and pull sharply off. A visual inspection for scribe creepage and blistering determines pass or fail.	3000 Hours
Weathering		
South Florida Weathering Test	South Florida exposure is a standardized real-world weathering exposure test that analyzes color and gloss retention, as well as chalk and erosion resistance.	5 year South Florida
Color Retention	Portion of South Florida weather-related exposure testing. Represents the degree to which a coating's color is degraded as a result of exposure to ultra violet radiation present in sunlight. Less than 5 E Δ	Pass
Chalk Resistance	Portion of South Florida weather-related exposure testing. Represents the degree to which a coating chalks due to weathering. A visual inspection determines the degree of chalking. No greater than #8 rating.	Pass
Erosion Resistance	Portion of South Florida weather-related exposure testing. Represents the degree to which a coating erodes due to weathering. Measured coating loss must be less than 10%.	Pass