

NEWLAR TM Architectural Coatings

Spraylat, the leading supplier of architectural coatings, is offering a state-of-the-art fluorocarbon based powder coating for high performance architectural applications.

NEWLAR is a thermosetting powder coating with a backbone of a fluoropolymer resin system that has been utilized for architectural coatings for over 30 years. It offers superior weathering performance and resistance to the damaging effects of UV light.

These coatings have been designed with the top architectural specifications in mind and are warranted for a minimum of 10 years towards the AAMA 2605-02 specification (American Architectural Manufacturers Association).

Due to the high performance fluorocarbon resin and superior pigmentation system used, NEWLAR is able to outperform traditional solvent borne liquid systems used in the architectural community.

Gloss Retention of Newlar Resin vs Kynar **Outdoor Exposure** 120 100 80 60 40 20 12 Exposure Time [Years]

NEWLAR offers superior mechanical properties such as resistance to abrasion and better protection in corrosive industrial atmospheres. generally requires only a one coat application and, combined with lower curing temperatures, results in less energy use during the application. The **NEWLAR** product line contributes to the conservation of our natural resources.

In contrast to conventional liquid fluorocarbon coatings with VOC levels that exceed 6 lb./gallon, NEWLAR is an environmentally friendly powder coating applied without the emission of harmful VOC's into the atmosphere. In fact, powder coatings are an EPA recommended finishing method for architectural aluminum and contribute to the "Green Building Initiative" of the U.S. Government.

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NEWLARTM Performance

Test	AAMA 2605-02	Result
Dry Film Hardness [ASTM D336	[63] Min. F	Pass
Film Adhesion	No removal of coating	
a. Dry Adhesion		Pass
b. Wet Adhesion		Pass
c. Boiling Water Adhesion		Pass
Impact Resistance	Min 3mm deformation	Pass
	Tape Pull Test with no removal	of coating
(Minute cracking at the perimeter of	the concave area of the test pane	el
is permissible, but no coating pick-of	ff should be apparent.)	
Abrasion Resistance[ASTM D96	8] Coefficient Value Min 40	Pass
Chemical Resistance		
	ute Spot Test	Pass
· ·	r Pat Test	Pass
	5.0 ASTM D2244	Pass
	sion 38°C for 72 hours	Pass
l -	ps for 24 hours	Pass
(Pass: No color change, no loss of ad	hesion, no blistering or no	
visual appearance change.)		
Corrosion Resistance		
a. Humidity [ASTM D2247]	4000 hours ASTM D71	Pass
	Blister rate: No 8 max	-
b. Salt Spray [ASTM B117]	4000 hours ASTM D165	Pass
Creepage rate: Minimum 7		
	ng rate: Minimum 8	
*Salt spray test performed on Chrom	ated aluminum panels.	
Weathering	10	
· -	um 10 years	
	um 2800MJ	Pass
	= 1 year Florida	
	5.0 ASTM D2244	D.
b. Chalk Resistance [ASTM D4214A	2	Pass
c. Gloss Retention [ASTM D523]	Minimum of 50%	Pass
d. Resistance to Erosion [ASTM D224] Less than 10% film loss Pass		
Accelerated Weather 8000 hours		
ASTM G53 Chalk: Rating 8 OUV 313B Color: Less than 3DE Hunter		
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Gloss Retentio	OII: 9070	