



NEWLAR™ 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).

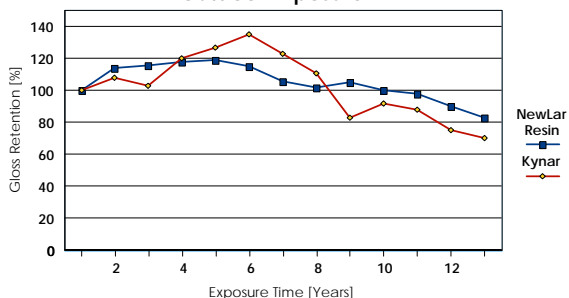
Due to the high performance fluorocarbon resin and superior pigmentation system used, **NEWLAR** is able to outperform traditional solvent borne liquid systems used in the architectural community.



NEWLAR offers superior mechanical properties such as resistance to abrasion and better protection in corrosive industrial atmospheres. It 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.

Gloss Retention of Newlar Resin vs Kynar
Outdoor Exposure



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Powder Coatings

NEWLAR™ Performance

Powder Coatings

Test	AAMA 2605-02	Result
Dry Film Hardness [ASTM D3363]	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 Tape Pull Test with no removal of coating	Pass
(Minute cracking at the perimeter of the concave area of the test panel is permissible, but no coating pick-off should be apparent.)		
Abrasion Resistance [ASTM D968]	Coefficient Value Min 40	Pass
Chemical Resistance		
a. Muriatic Acid	15 minute Spot Test	Pass
b. Mortar	24 hour Pat Test	Pass
c. Nitric Acid	DE < 5.0 ASTM D2244	Pass
d. Detergent	Immersion 38°C for 72 hours	Pass
e. Window Cleaner	10 drops for 24 hours	Pass
(Pass: No color change, no loss of adhesion, no blistering or no visual appearance change.)		
Corrosion Resistance		
a. Humidity [ASTM D2247]	4000 hours ASTM D71 Blister rate: No 8 max	Pass
b. Salt Spray [ASTM B117]	4000 hours ASTM D165 Creepage rate: Minimum 7 Blistering rate: Minimum 8	Pass
*Salt spray test performed on Chromated aluminum panels.		
Weathering		
a. South Florida Exposure	Minimum 10 years	----
* EMMAQUA NTW	Minimum 2800MJ	Pass
ARIZONA	280MJ = 1 year Florida	
Color Retention	DE < 5.0 ASTM D2244	
b. Chalk Resistance [ASTM D4214A]	No more than 8	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	
QUV 313B	Color: Less than 3DE Hunter	
	Gloss Retention: 90%	