



ARMORGUARD[®] HD
HIGH-DURABILITY POLYESTER COIL COATING


TITAN
COATINGS



HIGHLIGHTS

- Advanced Polyester Technology
- Interior & Exterior Performance
- Excellent Flexibility & Formability
- Enhanced Scratch & Mar Resistance
- UV Resistance for Color Retention

IDEAL END USES

- Residential and Commercial Building Products
- Rainware
- RV/Cargo
- HVAC
- Sign Stock
- Residential Garage Doors
- Commercial Roll Up Doors
- Soffit
- Fascia
- Manufactured Products

ArmorGuard® HD polyester coil coating delivers cost-effective, high-performance protection for both interior and exterior applications. Engineered with a proprietary composite polyester resin system, ArmorGuard® HD provides enhanced resistance to UV degradation—minimizing chalking and fading over time.

Built for durability without sacrificing flexibility, ArmorGuard® HD offers excellent scratch and metal marking resistance. Its robust yet formable film allows for embossing and supports tight roll forming requirements, including 1T bends. ArmorGuard® HD is an ideal solution for exterior building components and accessories, delivering long-lasting performance in demanding environments.

Versatility & Application

ArmorGuard® HD is available in a broad range of standard and custom colors. Titan's streamlined color-matching process ensures fast turnaround on custom requests to meet specific design requirements.

This system is designed for application over primed metal substrates, including hot-dipped galvanized steel, zinc-aluminum alloy coated steel (Galvalume®, Zinalume®), aluminum, and Galfan®. ArmorGuard® HD is typically applied as a two-coat system consisting of primer, topcoat, and backer. Also, is an excellent choice for cost effective aluminum applications, a single-coat system may be utilized depending on performance requirements.

When applied by an approved applicator, ArmorGuard® HD delivers long-term durability and consistent field performance.



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TECHNICAL DATA

SPECIFICATIONS	TEST STANDARD	ALUMINUM SUBSTRATE	COATED STEEL SUBSTRATE
Dry Film Thickness (Nominal)	ASTM D1005	0.1-0.3 mil primer 0.6-0.9 mil topcoat	0.1-0.3 mil primer 0.6-0.9 mil topcoat
Gloss	ASTM D523 @ 60°	10-80+	10-80+
Pencil Hardness	ASTM D3363	F min.	F min.
Flexibility ²	T-bend, ASTM D4145	1-2 T-bend, no pick-off	1-2 T-bend, no pick-off
Adhesion	ASTM D3359	1.5x metal thickness; No adhesion loss	1.5x metal thickness; No adhesion loss
Reverse Impact	ASTM D2794	2x gauge or 80" lbs.	2x gauge or 80" lbs.
Salt Spray Resistance	ASTM B117 5% salt fog @ 95° F	Passes 1,000 hrs.	Passes 1,000 hrs.
Humidity Resistance	ASTM D714, ASTM D2247 100% relative humidity @ 95° F	Passes 1,000 hrs. No blisters, cracks or peeling	Passes 1,000 hrs. No blisters, cracks or peeling
Exterior Exposure	ASTM D2244, ASTM D4214 10 yrs. @ 45°, South Florida	Passes	Passes

