

Description:

EVERLAST METALS offers PVDF Coated Aluminum and Galvanized/Galvalume® Steel Substrates as Architectural Flat Sheet & Coil Stock. The premium paint system combines a minimum of 70% Fluropon® polyvinylidene fluoride (PVDF) resin and is applied at a minimum total dry film thickness of 1.0 mil (+/- 0.1). For additional protection, the reverse side is coated with a polyester wash coat at 0.3-0.4 mil dry film thickness. EVERLAST METALS Architectural Flat Sheet and Coil Stock conforms to Premium materials criteria, as set forth within the Metal Construction Association's materials certification program.

Aluminum - conforms to ASTM B209 standards, with H22 temper.

Galvanized/Galvalume® Steel - conforms to ASTM A755 standards, further defined as follows: ASTM A653 Grade 50 structural steel with G90 HDG Coating, or ASTM A792 Grade 50 structural steel AZ50 coating. An optional strippable film can be applied for additional protection during handling, fabrication and installation. Avoid exposure to extreme heat an long periods of direct sunlight, as this can render the film difficult to remove. This strippable film must be removed immediately after installation.

General Use & Method of Application:

EVERLAST METALS Architectural Flat Sheet and Coil Stock is intended for general sheet metal use in building applications including but not limited to fascia, soffits, gravel stops, copings, store fronts and metal roofing.

- Install in accordance with industry-recognized sheet metal practices.
- Cut, form, and fasten using conventional hand or power tools.
- For best results cutting tool edges should be kept sharp, clean, properly dressed, and closely aligned.
- Fabrication and erection can be accomplished with strippable plastic film in place. Film should be removed from areas of concealed or joined pieces.

Storage:

- Everlast Metals metal sheet and coil should be stored in a well ventilated, dry place where no moisture can contact them. Moisture (from rain, snow, condensation, etc.) trapped between layers of material may cause water stains or white rust, which can affect the service life of the material and will detract from its appearance.
- If outdoor storage cannot be avoided, protect the sheet and coil with a ventilated canvas or waterproof paper cover. Do not use plastic, which can cause condensation. Keep the material off the ground in an inclined position with an insulator such as wood.
- Maximum 3,000 lb of sheets per pallet.

Precautions:

- Protective film may degrade or become brittle with exposure to direct sunlight. Therefore, it must be removed immediately.
- Product should not be used in areas of high abrasion or where it is subject to mechanical damage.
- Product is pre-finished material; care must be exercised during fabrication and erection to avoid surface damage.
- Everlast Metals recommends a minimum bend radius of 2T for .032 and .040 materials and a 3T bend radius for any material .050 or greater. Anything less than these minimum bend radii can cause crazing to the material.
- Attention should be paid to good house-keeping practices.
- Avoid dragging sheets over surfaces which may scratch or mar the finish.
- For general sheet metal use in building applications.
- Do not cut with power saws or abrasive blades.

Compliance:

3105 Alloy:	
Post Industrial Recycled Content:	51.1%
Post Consumer Recycled Content:	0.4%
Fluropon®:	AAMA 620-02

Product Data:

Color:	26 Standard Colors; See Current Everlast Metals color chart	
Finish:	Low to Medium Gloss	
Wash Coat:	Polyester	
Weight:	lb/Ft ² :	kg/M ² :
.032	0.456	2.20
.040	0.576	2.75
.050	0.720	3.50
Dimensions:	Slit Coil:	Sheet: 48"
.032	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*
.040	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*
.050	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*

Physical Properties of

Fluoropolymer Coating:

	ASTM Standard	Value
Abrasion Resistance:	ASTM D 968, Method A	Coefficient of sand abrasion 65±10 Liters
Accelerated Weathering:	ASTM D 4587 Condition B or ASTM G 23 Method 1 or 2, type EH apparatus Hours: 5000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 4587 Condition B or ASTM G 53, Method 1 or 2, type EH apparatus or ASTM G154 Hours: 5000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 4587 Condition B or ASTM G 23 Method 1 or 2, type EH apparatus or ASTM G151 Hours: 2000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 3361 Hours: 1000	Acceptable – No cracking, peeling, blistering, loss of adhesion of the protective coating, or corrosion of the base metal
Adhesion:	ASTM D 3359, Method B	Chalk: Rating of 8 or better per ASTM D 4214, Method A (ASTM D 659)
Chalk Resistance:	ASTM D 659	Color: <5ΔE Hunter Units per ASTM D 2244 No loss of adhesion
Chemical/Acid		No Chalk; Rating 9-10
Pollution Resistance:	ASTM D 1308, Procedure 7.2	Pass; No color change
Formability:	NCCA 4.2.8	2T to 4T No loss of adhesion
Gloss:	ASTM D 523	25-35 at 60 degrees
Hardness:	ASTM D 3363	HBto2H
Humidity Resistance:	ASTM D 1735 Hours: 2000	No blistering, no loss of adhesion
Impact Resistance:	ASTM D 2794	Reverse Impact: No loss of adhesion
Salt Spray Resistance:	ASTM B 117 Hours: 3000	No creepage from scribe and no field blisters
Tunnel Test:	ASTM E84	Class A Coating
UV Exposure:	ASTM G 154 Hours: 2016	Chalk: Rating of 8 or better per ASTM D 4214, Method A (ASTM D 659)
		Color: <5ΔE Hunter Units per ASTM D 2244
Wet Adhesion	Water Immersion Hours: 1500	No loss of adhesion

Physical Properties of

Base Material:

Standard:	ASTM B209 Aluminum Association Standards for Specification Sheets and Coils
Base Metal:	Aluminum
Coefficient of Thermal Expansion:	12.6 x 10 ⁻⁶ in/in/F° (22.2 m/m.K x 10 ⁻⁶)
Modulus of Elasticity:	10.0 x 10 ³ x KSI (68.9 MPa)

Compliance:

Galvalume® Steel:

Fluropon®:

AAMA 620-02

Galvalume Steel

Product Data:

Color:	26 Standard Colors; See Current Everlast Metals color chart	
Finish:	Low to Medium Gloss	
Wash Coat:	Polyester	
Weight:	lb/Ft ² :	kg/M ² :
24 Gauge	0.950	4.63
26 Gauge	0.738	3.60
Dimensions:	Slit Coil:	Sheet: 48"
24 Gauge	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*
26 Gauge	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*

**Physical Properties of
Fluoropolymer Coating:**

	ASTM Standard	Value
Abrasion Resistance:	ASTM D 968, Method A	Coefficient of sand abrasion 65±10 Liters
Accelerated Weathering:	ASTM D 4587 Condition B or ASTM G 23 Method 1 or 2, type EH apparatus Hours: 5000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 4587 Condition B or ASTM G 53, Method 1 or 2, type EH apparatus or ASTM G154 Hours: 5000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 4587 Condition B or ASTM G 23 Method 1 or 2, type EH apparatus or ASTM G151 Hours: 2000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 3361 Hours: 1000	Acceptable – No cracking, peeling, blistering, loss of adhesion of the protective coating, or corrosion of the base metal Chalk: Rating of 8 or better per ASTM D 4214, Method A (ASTM D 659) Color: <5ΔE Hunter Units per ASTM D 2244
Adhesion:	ASTM D 3359, Method B	No loss of adhesion
Chalk Resistance:	ASTM D 659	No Chalk; Rating 9-10
Chemical/Acid Pollution Resistance:	ASTM D 1308, Procedure 7.2	Pass; No color change
Formability:	NCCA 4.2.8	2T to 4T No loss of adhesion
Gloss:	ASTM D 523	25-35 at 60 degrees
Hardness:	ASTM D 3363	HB to 2H
Humidity Resistance:	ASTM D 2247 Hours: 3000	No blistering, no loss of adhesion
Impact Resistance:	ASTM D 2794	Reverse Impact: No loss of adhesion
Salt Spray Resistance:	ASTM B 117 Hours: 2000	No creepage from scribe and no field blisters
Tunnel Test:	ASTM E84	Class A Coating
UV Exposure:	ASTM G 154 Hours: 2016	Chalk: Rating of 8 or better per ASTM D 4214, Method A (ASTM D 659) Color: <5ΔE Hunter Units per ASTM D 2244
Wet Adhesion	Water Immersion Hours: 1500	No loss of adhesion

**Physical Properties of
Base Material:**

Standard:	ASTM A792/A792M - Galvalume® (55% Aluminum and 43+% zinc)
Base Metal:	AZ-50 Galvalume Steel
Coefficient of Thermal Expansion:	6.7 x 10 ⁻⁶ in/in/F° (13.9 m/m.K x 10 ⁻⁶)
Modulus of Elasticity:	29.0 x 10 ⁶ x KSI (200 GPa)

Compliance:

Galvanized Steel:	
Post Industrial Recycled Content:	7.3%
Post Consumer Recycled Content:	23.0%
Fluropon®:	AAMA 620-02

Product Data:

Color:	26 Standard Colors; See Current Everlast Metals color chart	
Finish:	Low to Medium Gloss	
Wash Coat:	Polyester	
Weight:	lb/Ft ² :	kg/M ² :
24 Gauge	0.456	2.20
26 Gauge	0.576	2.75
Dimensions:	Slit Coil:	Sheet: 48"
24 Gauge	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*
26 Gauge	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*
	4.0" (0.1 m) – 48" (1.2 m)*	(1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)*

Physical Properties of Fluoropolymer Coating:

	ASTM Standard	Value
Abrasion Resistance:	ASTM D 968, Method A	Coefficient of sand abrasion 65±10 Liters
Accelerated Weathering:	ASTM D 4587 Condition B or ASTM G 23 Method 1 or 2, type EH apparatus Hours: 5000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 4587 Condition B or ASTM G 53, Method 1 or 2, type EH apparatus or ASTM G154 Hours: 5000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 4587 Condition B or ASTM G 23 Method 1 or 2, type EH apparatus or ASTM G151 Hours: 2000	Chalk: Rating of 8 or better per ASTM D 4214 Color: ≤2ΔE color change per ASTM D 2244
	ASTM D 3361 Hours: 1000	Acceptable – No cracking, peeling, blistering, loss of adhesion of the protective coating, or corrosion of the base metal Chalk: Rating of 8 or better per ASTM D 4214, Method A (ASTM D 659) Color: <5ΔE Hunter Units per ASTM D 2244
Adhesion:	ASTM D 3359, Method B	No loss of adhesion
Chalk Resistance:	ASTM D 659	No Chalk; Rating 9-10
Chemical/Acid Pollution Resistance:	ASTM D 1308, Procedure 7.2	Pass; No color change
Formability:	NCCA 4.2.8	2T to 4T No loss of adhesion
Gloss:	ASTM D 523	25-35 at 60 degrees
Hardness:	ASTM D 3363	HBto2H
Humidity Resistance:	ASTM D 1735 Hours: 2000	No blistering, no loss of adhesion
Impact Resistance:	ASTM D 2794	Reverse Impact: No loss of adhesion
Salt Spray Resistance:	ASTM B 117 Hours: 3000	No creepage from scribe and no field blisters
Tunnel Test:	ASTM E84	Class A Coating
UV Exposure:	ASTM G 154 Hours: 2016	Chalk: Rating of 8 or better per ASTM D 4214, Method A (ASTM D 659) Color: <5ΔE Hunter Units per ASTM D 2244
Wet Adhesion	Water Immersion Hours: 1500	No loss of adhesion

Physical Properties of Base Material:

Standard:	ASTM A653/A653M-10CS AISI G90 - galvanized steel sheet
Base Metal:	G-90 Galvanized Steel
Coefficient of Thermal Expansion:	6.7 x 10 ⁻⁶ in/in/F° (13.9 m/m.K x 10 ⁶)
Modulus of Elasticity:	29.0 x 10 ⁶ x KSI (200 GPa)

This sheet is intended to highlight Everlast Metals products and specifications and is subject to change without notice. Everlast Metals takes responsibility for furnishing quality materials which meet published Everlast Metals product specifications. Neither Everlast Metals nor its representatives practice architecture. Everlast Metals offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Everlast Metals accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Everlast Metals representative is authorized to vary this disclaimer.

Manufacturing Locations: Lebanon, PA Bridgton, ME Howe, IN Orwell, OH