



Metal Coil Technical Specification Sheet

Painted Steel Coil – 24 Gauge PVDF

Technical Properties

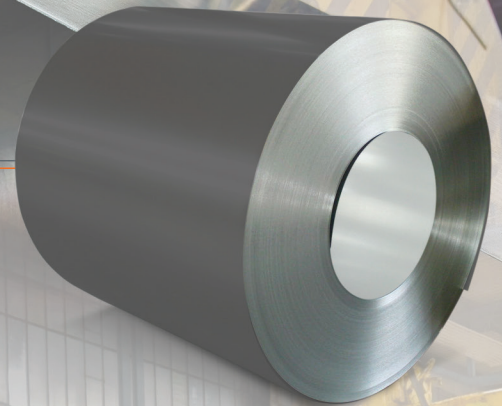
Property	Test Standard / Typical Result
Topcoat Resin	70% PVDF (Kynar 500® / Hylar 5000®)
Gloss (60°)	10–40 (ASTM D523)
Pencil Hardness	F – 2H (ASTM D3363)
T-Bend	0T–3T, No loss of adhesion (ASTM D4145)
Adhesion (Crosshatch)	No loss (ASTM D3359)
Reverse Impact	Galvalume: 3x metal thickness, no loss (ASTM D2794)
Humidity Resistance	3,000 hrs, 100% RH, No loss (ASTM D2247)
Salt Spray Resistance	4,000 hrs, no blister/creep > 1/16" (ASTM B117)
Chalk Resistance	Rating ≥ 8 @ 35 years (ASTM D4214)
Color Fade	≤ 5 Δ Hunter units @ 35 years (ASTM D2244)
Flame Test	Class A (ASTM E84)
Water Immersion	500 hrs @ 100°F, no adhesion loss (ASTM D870)
Dew Cycle Weatherometer	1,000 hrs, no adhesion loss (ASTM D3361)

Available Coil Specifications

Substrate	Galvalume® or G90 Galvanized Steel
Gauge	24 ga (nominal 0.0239")
Width Range	20" to 48" (custom slitting available)
Surface Options	Smooth or Embossed
Backer Coat	Washcoat, 0.3–0.35 mils typical
Strippable Film	Available on request

Additional Notes

- Oil canning is a natural phenomenon in roll-formed metal and not cause for rejection.
- Use 24 ga or thicker to reduce waviness.
- All materials must be properly cleaned and pretreated before coating.
- Durapon 70® is not designed to bridge substrate cracks.



Built to Last. Backed by Science.

- 3,000-hour humidity resistance.
- 4,000-hour salt spray protection.
- Class A Fire Rated (ASTM E84).
- No cracking at 0T bend (ASTM D4145).
- Excellent film integrity and adhesion.



Engineered for Performance

- Reflective coatings improve energy efficiency.
- Fade- and chalk-resistant for decades.
- Ideal for architectural, commercial, industrial and agricultural.
- Custom color matching available.
- Smooth & embossed finishes.

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