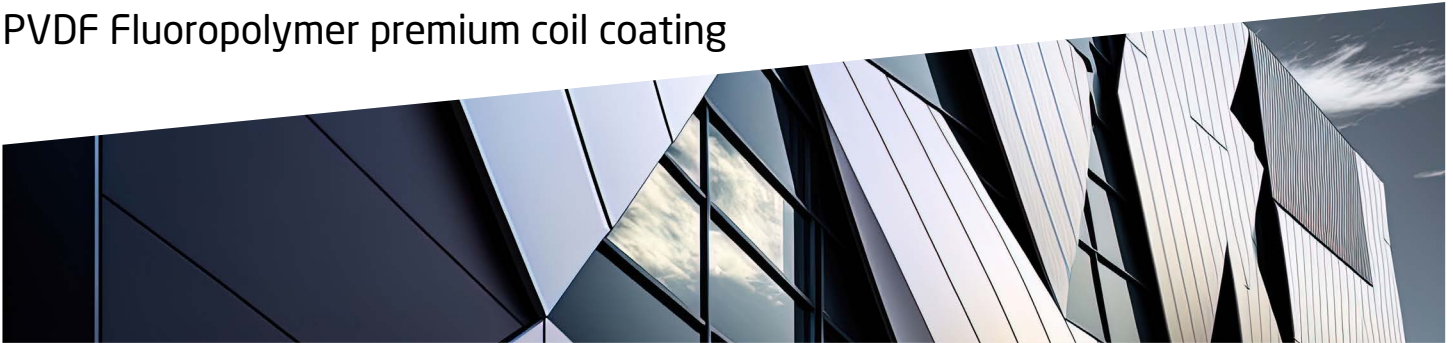


Durapon70®

PVDF Fluoropolymer premium coil coating



Durapon70® premium coil coating

Durapon70® is based on a unique resin blend that incorporates our proprietary acrylic and 70% polyvinylidene fluoride (PVDF). Designed as a premium finish to provide outstanding color stability, gloss retention, exceptional abrasion resistance, chemical resistance, and great film flexibility. Available in a wide variety of colors, including metallic and exotic finishes, Durapon70® incorporates high quality exterior grade durable color fast ceramic pigments. Available in industry standard colors or custom colors using our efficient custom color matching process which provides quick delivery to meet customer needs.

Versatile

Durapon70® is designed for application to a number of metal substrates which include hot dipped galvanized, zinc-aluminum alloy steel (i.e. Zinalume®, Galvalume®), aluminum, and Galfan®. Durapon70® is applied as part of a high-performance proprietary system which includes the Durapon70® topcoat, primer, and back side coatings. When applied by an approved applicator, the system will provide years of service providing the strongest resistance color fade and chalking. Our special base resin resists dirt pick-up and provides a durable tough finish that is scratch, stain, and mar resistant.

Sustainability

Durapon70® can be formulated using infrared (IR) reflective or “cool” pigments to comply with industry energy conservation initiatives such as LEED, Title 24, Energy Star®, and ASHARE. The use of IR reflective pigmentation allows Durapon70® to meet industry energy conservation requirements for steep slope and low-slope roofing applications as well as for walls. Use of “cool” pigmented coil coatings can help reduce energy consumption for conditioned living space and reduce expansion and contraction of metal panel to help increase roof panels life. Durapon70® is an excellent choice for exterior building product applications that require an excellent, high-quality long-lasting finish.

Highlights

- 70% PVDF Coating
- Premium exterior performance
- Industrial Applications
- Architectural Applications
- AAMA 2605

Ideal end uses

- Exterior Building Products
- High Quality Needs
- Long Lasting Finish

DuraCoat Products is an Axalta Coating Systems company.

Durapon70®

Physical and Exposure Testing

Test	ASTM reference (AAMA 2605 section)	Test results	
Gloss (60°)	ASTM D253 (AAMA 8.2.2)	+/-	+/- 5 at 60°
Dry Film Hardness (Pencil Test)	ASTM D3363 (AAMA 8.3.2)	Pass	H- Pencil Hardness
Dry Adhesion (with Cross Hatch)	ASTM D3359 (AAMA 8.4.2.1)	Pass	5B; No Tape Off
Boiling Water Adhesion (100°C x 20 min.)	ASTM D3359 (AAMA 8.4.2.2)	Pass	5B; No Tape Off
Wet Adhesion (with Cross Hatch)	ASTM D3359 (AAMA 8.4.2.3)	Pass	5B; No Tape Off
Coating Flexibility (T-Bend)	ASTM D4145 (AAMA A5.1)	Pass	1T; No Pick-Off
Impact Resistance	ASTM D2794 (AAMA A5.2)	Pass	No loss of adhesion
Falling Sand (Minimum of 80L of sand)	ASTM D968 (AAMA 8.6.2)	Pass	Abrasion Coefficient - 108
Solvent Resistance (MEK double rubs) ²	ASTM D5402	Pass	Abrasion Coefficient - 108
Humidity (100°F x 4,000 hrs.)	ASTM D714 ASTM D2247 (AAMA 8.8.1.2)	Pass	No loss of adhesion/blistering; no discernible color change
Salt Spray (4,000 hrs)	ASTM B117 (AAMA Note 11)	Pass	Minimum corrosion rating of 7 on scribe and cut edges; minimum blistering rating of 8
South Florida (10 yrs)	ASTM D2244 ASTM D4214 (AAMA 8.9.2)	Pass	0.85ΔE; 81.85% Gloss Retention; chalk rating 10
Kesternich	ASTM G87	Pass	No discernible color change
Flame Spread	ASTM E84	Pass	Class I- Flame Spread Index: 0; Smoke Development Index: 5