



Coraflon® XL



Coraflon® MXL



High-clarity clear and special-effects clear coil coatings



Brilliant clarity and clearcoat protection that brings our PPG DURANAR® basecoat colors to life

PPG *Duranar* coatings have been trusted to protect buildings worldwide for over 50 years. Today, more than ever before, architects and designers are looking for new and exciting ways to adorn their multi-million-dollar show pieces. That's why we designed PPG CORAFLOX® XL and *Coraflox* MXL high-clarity clearcoats.

Using a proprietary FEVE resin known for its outstanding resistance to weathering, abrasion and other environmental factors, *Coraflox* XL clearcoats offer high-gloss reflection not achievable with standard PVDF finishes. Applied over a wide palette of colorful *Duranar* basecoats, *Coraflox* XL coatings exhibit exceptional clarity that heightens color chroma to attain new heights of aesthetic beauty.

Coraflox MXL clearcoats offer that same color accentuation and protection while adding best-in-class polychromatic or special effects pigments that create stunning, sparkling effects in direct lighting.

The PPG Benefit

- Hardness and scratch resistance
- Outstanding weathering resistance against chalk and color fade
- Wide gloss range of 10–80%
- Exceptional gloss retention and color consistency
- Excellent surface protection against corrosion due to reliable adhesion and flexibility

Suggested markets

Building products

Suggested end uses

Residential towers

Universities and libraries

Sporting venues

Car dealerships

Commercial centers

Corporate offices

Specifications

AAMA 2605



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Product Characteristics	Test Standard	Aluminum	Coated Steel ¹
Dry Film Thickness	ASTM D1400	0.20-0.30 mil primer 0.70-0.80 mil <i>Duramar</i> basecoat 0.50-0.70 mil <i>Coraflon</i> XL or MXL clearcoat	0.20-0.30 mil primer 0.70-0.80 mil <i>Duramar</i> basecoat 0.50-0.70 mil <i>Coraflon</i> XL or MXL clearcoat
Gloss	ASTM D523 Standard @ 60° Standard @ 85°	10 - 80 10 - 100	10 - 80 10 - 100

Performance Properties ²	Test Standard	Aluminum	Coated Steel ¹
Pencil Hardness	ASTM D3363	F - 2H	F - 2H
Flexibility (T-Bend) ²	ASTM 4145	0 - 2 T-bend; no pick-off	0 - 2 T-bend; no pick-off
Adhesion	ASTM D3359	No adhesion loss	No adhesion loss
Reverse Impact	ASTM D2794 1.5 x metal thickness (aluminum)	No cracking or adhesion loss	No cracking or adhesion loss
Acid Resistance	ASTM D1308 10% muriatic acid - 24 hours 20% sulfuric acid - 24 hours	No effect No effect	No effect No effect
Acid Rain Test	Kesternich SO ₂ , DIN 50018	15 cycles minimum No objectionable change	15 cycles minimum No objectionable change
Alkali Resistance	ASTM D1308 10%, 25% NaOH, 1 hour	No effect	No effect
Salt Spray Resistance	ASTM B117 5% salt fog @ 95° F (35° C)	Passes 4,000 hours > 1/16" scribe creep average None or few #8 blisters	Passes 1,000 hours > 1/8" scribe creep average None or few #8 blisters
Humidity Resistance	ASTM D714, ASTM D2247, 100% relative humidity @ 95° F (35° C)	Passes 4,000 hours No #8 blisters	Passes 1,500 hours No #8 blisters
Exterior Exposure	ASTM D2244, ASTM D4214 10 Years @ 45°, South Florida	Maximum 5 fade Maximum 8 chalk	Maximum 5 fade Maximum 8 chalk

¹ Coated steel includes G90 hot-dip galvanized, *Galfan*, *Galvalume* and *Zincalume* substrates.

² Fracturing or rupturing of substrate will rupture coatings. Heavy-gauge and clad steel substrates impose limitations on formability. *Duramar* and *Coraflon* coatings are generally flexible beyond the point of substrate rupture.



Shown:
Dayton Children's Hospital
Dayton, OH
Photos by Lauren K. Davis for
Feinknopf Photography/OTTO



Treasure Island Hotel and Casino
St. Paul, MN
Photos by Lindsay Nicole

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