



Enhanced mar resistance for powder coatings



PPG ENVIROCROn® XMR extreme mar resistance technology

Envirocron XMR Extreme Mar Resistance technology is specifically formulated to provide an exceptionally durable, mar- and scratch-resistant finish while also delivering excellent protection from corrosion and UV rays¹. The end result maintains a factory appearance and stands up to part-to-part marring significantly better than powders without the technology.

Suitable for a wide range of substrates — including aluminum and steel — *Envirocron* XMR technology can be applied to any PPG powder, delivering enhanced protection without sacrificing the performance characteristics of the base product.

Suggested markets

Office furniture

Appliances

Shelving and racking

Equipment handling

Architectural metal

Automotive parts



The PPG benefit



Enhanced protection across
PPG powder technologies²



50% less mass loss during
ASTM D4060 TABER® testing²



Maintains factory appearance
longer over time²



Available in a wide range
of colors and glosses



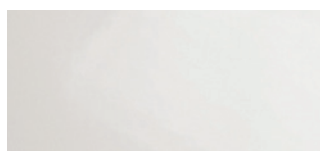
Product Characteristics	
Color	Available in standard and custom colors
Gloss @ 60° (ASTM D523) ³	5 – 100
Substrate	Cold-rolled steel, hot-rolled steel and aluminum

Performance Properties	
Adhesion (ASTM D3359)	5B
Hardness (ASTM D3363) ³	5B – 2H
Impact Resistance (ASTM D3359) ³	Direct: 40 – 160 in./lbs. Indirect: 40 – 160 in./lbs.
Flexibility, Conical Mandrel (ASTM D522)	1/8" – no cracking
Abrasion Resistance (ASTM D4060)	Less than 50% mass loss at 500 cycles
Corrosion Resistance (ASTM B117) ^{3,4}	5% salt spray @ 95° F, 1,000 – 3,000 hours, < 1/8" scribe creep – no blisters
Humidity Resistance (ASTM D1735) ^{3,4}	1,000 – 3,000 hours, 1/16" scribe creep – no blisters



Envirocron XMR colors with gloss range

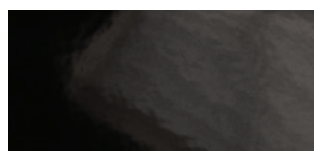
These are just a few of our popular colors. Ask your PPG representative about the full range of custom colors we can provide.



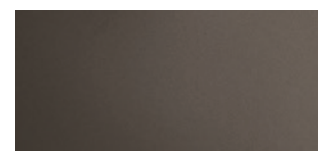
Sky White XMR
PCT80271 80-100



Charcoal Text XMR
PCT99132 6-10



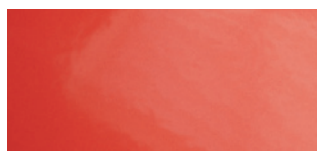
High-Gloss Black XMR
PCT99176 80-100



04 Bronze XMR
PCS229109 25-35



Onan Green XMR
PCT49109 83-100



Orange XMR
PCTT39211 80-100



Red XMR
PCU60138 65-75

¹ UV protection is dependent upon the powder coating's base chemistry.

² Compared to standard powder coatings.

³ Results vary by the powder coating's base chemistry.

⁴ Corrosion and humidity resistance are dependent upon the substrate, preparation of the substrate and the powder coating's base chemistry.

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