



Best-in-class edge protection



Sharp Edge Protection

Corrosion protection is a decisive factor for the durability of components. Often, corrosion begins on sharp edges where film build may be thinner. The PPG ENVIROCRON[®] PRIMERON[™] EDGE primer developed to optimize the edge coverage of sharp edges significantly increases the lifecycle of the coated parts. Furthermore, *Primeron* EDGE shows very good results on degassing substrates.

Benefits

- Strong corrosion protection
- Enhanced edge coverage
- Very good coverage of casting defects
- Suitable for degassing substrates
- Very good flow and appearance
- Low consumption
- Formulated without Zinc NIA*

Edge Panels after 480h NSS



edge panel without primer

edge panel with standard primer

edge panel with *Primeron* EDGE

*Not intentionally added



Product Properties

Properties	Test Method	Value
Gloss at 60°	ISO 2813	15-30 gloss units
Specific Gravity	Calculated	1,54 g/cm ³
Impact Resistance	ISO 6272 / ASTM D2794	40 inch-pound - Direct 20 inch-pound - Reverse
Adhesion	ISO 2409	GTO
Conical Mandrel Bending	ISO 6860	0 - 10 mm

Corrosion Performance

Test	Test Method	Substrate	Corrosion from Scribe	Surface Defects
NSS (Neutral Salt Spray Test) - 720 h	ISO 9227	Steel pretreated (1)	< 1 mm	No blisters, no rust
		Blasted steel (2)	< 1 mm	No blisters, no rust
CCT (Cyclic Corrosion Testing) - 1680 h	-	Steel pretreated (1)	< 1 mm	No blisters, no rust
		Blasted steel (2)	< 1 mm	No blisters, no rust
Humidity Resistance (40°C, 100% RH) - 720 h	-	Steel pretreated (1)	-	No blisters, no rust
		Blasted steel (2)	-	No blisters, no rust

(1): Chemical pretreatment - Alkaline (Iron phosphate) - Chrome free

(2): Blasted steel - Sanding media: Grit blast, Sanding rating: Sa 2 ½, Rugosity: 6<Ra<12 µm, 50 < Rt <75 µm

Estimated Durability according to ISO 12944 Standard

Pretreatment	Substrate	C2	C3	C4	C5
Chemical	Steel	PE-0161, ST2 C4H			
Mechanical	Steel				
Chemical	Hot-dip galvanized				
Mechanical	Hot-dip galvanized				

Curing Conditions

Partial Curing	
7 - 10 min	130°C
5 - 7 min	140°C
3 - 5 min	150°C

Full Curing	
20 - 25 min	170°C
15 - 20 min	180°C
10 - 15 min	190°C

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