



Versatile primers for multi-substrate use

A flexible solution

One of the most frequent substrates coated with powder coatings is steel. However, other substrates, such as metalized steel, hot-dip galvanized steel and aluminum, also need protection from corrosion. PPG Primeron® Flex is a specially developed hybrid powder coating optimally suited for various substrates. At the same time, the system offers excellent inter-coat adhesion to different topcoat systems and can be used flexibly in the truest sense of the word. In addition, various Qualisteelcoat approvals confirm its good corrosion protection properties.

Suggested industries

Heavy-duty equipment

General industrial

Suggested end uses

Fencing and material handling

Qualisteelcoat Approvals

PE-0163 - ST2, Chemical, C4H

PE-0165 - HD2, Chemical, C5H

PE-0166 - HD2, Mechanical, C5H

The PPG Benefit



Strong corrosion protection across a broad range of substrates



Good intercoat adhesion and compatibility with a wide range of topcoats



Excellent alternatives to zinc-rich primers



Reclaimable and resprayable for less waste than liquid coatings

*Not intentionally added



PPG Primeron® Flex



Properties	Test Method	Value
Color	-	Dark gray
Surface	-	Matte, smooth
Gloss at 60°	ISO 2813	20-40
Specific Gravity	Calculated	1.54 g/cm ³
Impact Resistance	ISO 6272 / ASTM D2794	40 in./lbs. direct 20 in./lbs. reverse
Adhesion	ISO 2409	GT0, pass
Conical Mandrel	ISO 6860	0-10 mm, pass

Partial Curing	
7 - 10 minutes	130° C (266° F)
5 - 7 minutes	140° C (284° F)
3 - 5 minutes	150° C (302° F)

Full Curing	
20 - 40 minutes	170° C (338° F)
15 - 35 minutes	180° C (356° F)
10 - 25 minutes	190° C (374° F)

Storage Conditions
24 months / 30° C (86° F)

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

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