



# An allrounder primer with balanced performance properties



## Comprehensive protection

Corrosion protection is a decisive factor for the durability of steel and aluminum and one of the most significant challenges for the coating industry. Corrosion protection depends not only on the performance of the coating but also on the substrate and the pretreatment.

Specifically formulated without zinc NIA\*, PPG Primeron® Pro shows strong corrosion protection independent of the pretreatment and very good results, especially on mechanically pretreated steel. Additionally, Primeron Pro has very good mechanical properties and a balanced property profile, making a comprehensive application possible.

### Suggested industries

Heavy-duty equipment

General industrial

### Suggested end uses

Protection of interior parts

Structural steelwork

### Qualisteelcoat Approvals

PE-0162 - ST2 Mechanical, C4H

## The PPG Benefit



Strong corrosion resistance regardless of the pretreatment method



Good flow, appearance and mechanical properties



Excellent alternatives to zinc-rich primers



Reclaimable and resprayable for less waste than liquid coatings

\*Not intentionally added



# PPG Primeron® Pro



Properties	Test Method	Value
<b>Color</b>	-	Medium gray
<b>Surface</b>	-	Semi-gloss, smooth
<b>Gloss at 60°</b>	ISO 2813	60-80
<b>Specific Gravity</b>	Calculated	1.67 g/cm <sup>3</sup>
<b>Impact Resistance</b>	ISO 6272 / ASTM D2794	20 in./lbs. direct 20 in./lbs. reverse
<b>Adhesion</b>	ISO 2409	GT0, pass
<b>Conical Mandrel</b>	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 - 25 minutes	170° C (338° F)
15 - 20 minutes	180° C (356° F)
10 - 15 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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