

CPC 60

ZN PRIMER N

- good flow
- good mechanical properties
- excellent corrosion resistance

DESCRIPTION

CPC 60 Zn primer is epoxy based powder coating with high content of metal zinc. It serves for enhancement of anticorrosion protection of iron/steel surfaces.

Applications:

object without chemical pretreatment (phosphating, Zn plating) demanding high corrosion protection.

SPECIFICATION

Shades:	grey
Surface Appearance:	smooth
Gloss:	semi glossy (65 - 75%)
Density:	≈ 2600 kg/m ³
Coating Equipment:	electrostatic spraying
Spreading Rate:	4-6 m ² /kg at 60 μm film thickness
Shelf Time:	24 months
Packaging:	cardboard box – 20 kg and 2 kg
Storage Conditions:	in originally closed boxes at temperature 5 – 25°C

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TEST RESULTS

Physical Properties:*	Glossy
Cure parameters (object conditions)	10 min / 180°C
Film thickness in µm (ISO 2808)	50 - 60
Gloss, units $\angle 60^\circ$ (ASTM 523, ISO 2813)	70
Adhesion (ISO 2409)	Gt0
Impact resistance – direkt (ASTM D 2794-69), inches	70
Hardnes (Bucholz) (ISO 2815)	100
Chemical Properties:**	
Salt spray 1000 h (ISO 9227) – Delamination at the notch:	0

*0,8 mm steel panel

**sand blasted panel

SURFACE PRETREATMENT AND APPLICATION

Iron: Sand blasting gives the best results. When surfaces are only degreased the corrosion protection is dependant on the roughness of the surface. In this case corrosion protection is lower than on sand blasted surfaces.

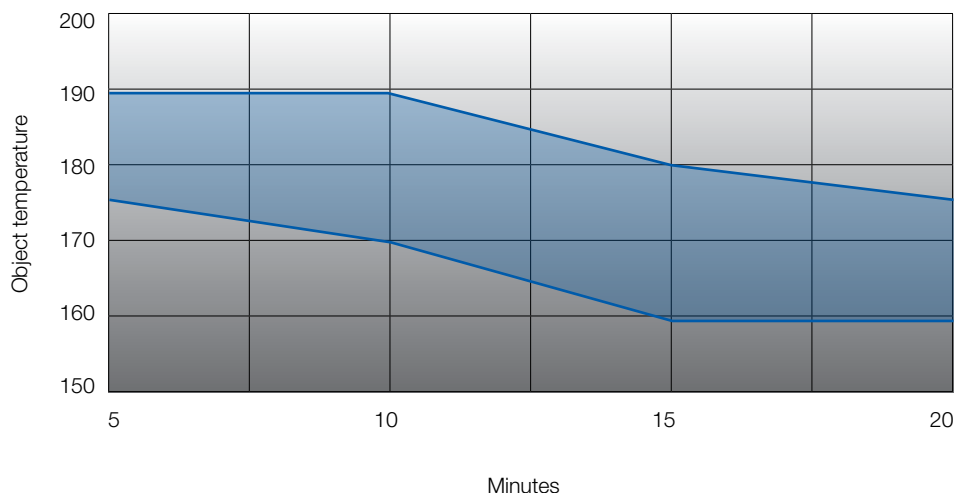
Primer can be sprayed on cold or warm surfaces. With spraying on warm surfaces we can avoid pinholing due to the air release from the blasted surface. When coating warm surfaces attention should be paid to keep end film thicknesses lower than 80 µm.

Overcoating with top coat (hybrid or polyester powder coating) on cold or warm primer surface is possible. Application on warm surface enhance intercoat adhesion between top coat and primer.

Overbaking of primer can result in insufficient intercoat adhesion between primer and top coat. In primer curing some degree of undercure is recommended. It reaches sufficient curing in second stage when the top coat is cured.

CURING

10 min / 180 °C



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