

Product Data Sheet

AkzoNobel Powder Coatings

Interpon Cr ZW007G

Bright “Chrome Effect” metallic basecoat

Product Description

ZW007G is a high gloss, high specular reflection, metallic powder coating, formulated as a basecoat for the Interpon Cr metallic powder coating system. It must always be over coated with a clear topcoat to protect the metallic effect from degradation. Please refer to the Interpon Cr technical datasheet for clear coating selection and system performance information.

Powder Properties

Type	Epoxy Chemistry
Specific gravity	1.20 ± 0.05 g/cm ³
Particle size	suitable for electrostatic spray
Dry film thickness	80-100 microns
Gloss (60°)	500-600 units
Cure schedule (object temperature)	20 minutes at 230°C
Storage conditions	Dry cool conditions below 25°C (open boxes must be resealed)
Shelf life	12 months

Test Conditions

ZW007G is the basecoat for Interpon Cr so as a single coat the test performance is not relevant. Please see the Interpon Cr system technical datasheet for the full system performance.

Substrate pre-treatment

For Aluminium, steel or Zintec surfaces to be coated must be clean and free from grease. Iron phosphate and particularly lightweight zinc phosphating of ferrous metals improves corrosion resistance. Aluminium substrates may require a chromate conversion coating.

Application

ZW007G can be applied by manual or automatic electrostatic spray equipment. It is not recommended to use tribo-static equipment. It is recommended that a powder film thickness of between 80 – 100 microns is applied to ensure the maximum metallic effect. Normal settings for application of metallic powder coatings should be used.

To maintain the bright metallic appearance the powder should not be recycled.

To ensure homogeneity the powder should be fed from a fluidised bed. Direct feed from a box is not recommended.

Additional Information

ZW007G is the basecoat for Interpon Cr and must always have a clear topcoat applied. It must not be used as a mono-coat otherwise the metallic effect will degrade rapidly.

The clear topcoat should be applied as soon as possible after the application of metallic basecoat – the maximum time period between curing of the basecoat and application of the clear coat must not exceed 24 hours. The surface of ZW007G should be kept clean, dry and grease free. Although it has good finger print resistance, we recommend the use of clean and lint-free gloves for handling before the clear top coat has been applied. Do not pass components coated with ZW007G through a pre-treatment system as the high levels of moisture will start to oxidize the exposed metallic pigment.

The following clear topcoats have been selected as part of the Interpon Cr coating system:
KZ007G – Polyester TGIC powder coating
OZ007G – Polyester TGIC free powder coating

Interpon Cr ZW007G Bright “Chrome Effect” metallic basecoat

To obtain the brightest possible metallic effect it is essential that the basecoat is fully cured before application of the clear topcoat.

This product is not for sale or use in the United States of America, its territories or its possessions.

Safety Precautions

Please consult the Material Safety Datasheet (MSDS)

Disclaimer

IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product.

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AkzoNobel Powder Coatings B.V. T +31 (0)71 308 6981
24 Rijksweg 31 F +31 (0)71 318 6924
31 / PO Box 32170 BA www.interpon.com
Sassenheim
The Netherlands

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