

Product Data Sheet

AkzoNobel Powder Coatings

Interpon ACE 2010

YN106G Black Medium Gloss Smooth

Product Description

Interpon ACE 2010 is a series of superior UV and weather resistant TGIC-free polyester powder coatings designed for exterior exposure and for use as a decorative and/or functional coating for agricultural and construction equipment and components. These coatings also provide significantly improved gloss retention and resistance to color change and possess outstanding transfer efficiency and faraday cage penetration.

Powder Properties

Chemical type	Polyester super-durable (TGIC-free)
Area of usage	Exterior parts for agricultural machinery or construction equipment
Particle Size	Custom manufactured
Appearance	Smooth, Medium gloss
Colour	Black
Gloss (60°)	60 ± 5 GU
Density (g/cm³)	1,25 ± 0,10
Stoving schedule	15-30 minutes at 180°C, 10-25 minutes at 190°C, 8-20 minutes at 200°C (time at object temperature)
Recommended DFT	DTM: 70µm min - 110µm max; On Primer: 50µm min - 90µm max; On e-coat 45µm min - 90µm max Failure to observe the correct curing and DFT conditions may cause a difference in color, gloss and the deterioration of the coating properties
Application	Electrostatic
Storage Stability	Under dry, cool (<25°C) conditions, at least 12 months from production date.

Test Conditions

The results are based on mechanical and chemical tests which (unless otherwise indicated) have been carried out under laboratory conditions and are given for guidance only. Actual product performance will depend upon the circumstances under which the product is used.

Substrate	Cold Rolled Steel
Pretreatment	Iron phosphate pretreated panels (ACT Bonderite ^o 1070 DIW Panels)
Film Thickness	76-90 µm
Cure Schedule	15 minutes at 190°C

Mechanical Tests

Elongation	ASTM-D522 (conical mandrel)	No crack at max elongation
Adhesion	ASTM-D3359 (2 mm crosscut)	5B
Hardness	ASTM D3363 (Gouge)	3H

Corrosion and Chemical Tests

Cyclic Corrosion	SAE J2334	40 days corrosion creep ≤ 3,5 mm from scribe
Chemical resistance		Good resistance to DI water, diesel fuel and engine oil

Durability Tests

Exterior durability	SAE J2527	2000h, excellent color and gloss retention performance
Color stability at elevated temperature		Good

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Pretreatment

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

Application

Interpon ACE 2010 YN106G powders can be applied by manual or automatic electrostatic spray equipment. It is recommended that for consistent application and appearance product be fluidized during application. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

Safety Precautions

This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customers.

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. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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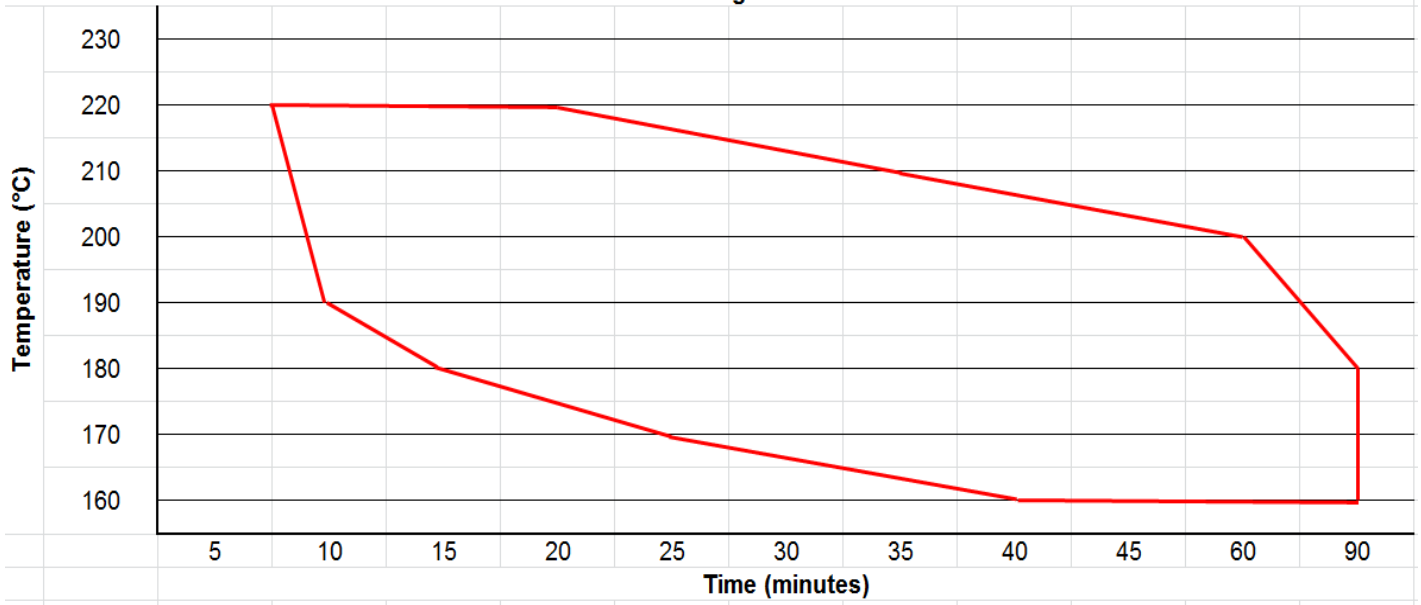
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Interpon[®]

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YN106G Curing Window



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