

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon 810 Clear

### Polyester Durable Clear / IP 810 CLEAR YZ009K

#### Product Description

Interpon 810 Clear is a series of high durable polyester and TGIC-free based powder coatings with excellent clarity, good flow and good exterior exposure resistance. Interpon 810 Clear is available for Architectural and Industrial.

#### Powder Properties\*

<b>Color / Gloss</b>	Polyester Durable Clear / GLOSS
<b>Particle size</b>	Suitable for electrostatic spray
<b>Specific gravity</b>	1.1~1.3 g/cm <sup>3</sup> depending on colour
<b>Storage</b>	Dry cool conditions below 25 °C
<b>Shelf Life</b>	12 months
<b>Sales code</b>	Y - series
<b>Stoving Schedule (object temperature)</b>	15 minutes at 180 °C

#### Test conditions

The results shown below are based on mechanical and chemical tests which (unless otherwise indicated) Conditions 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	Aluminum
Pretreatment	Chromate
Film Thickness	70 ± 10 microns
Stoving	object temperature 15 minutes at 180 °C

#### Mechanical Tests

Flexibility	ASTM D 552 (conical Mandrel)	Below 5mm
Adhesion	ASTM D 3359 (2mm crosshatch)	100/100
Erichsen Cupping	KS B 0812	Over 5mm
Hardness	ASTM D 3363(2000gms)	Pass - no penetration to substrate

#### Chemical and Durability Tests

Salt Spray	ASTM B117, KS D 9502 (240 hours)	Pass-no corrosion creep more than 2mm from scribe.
Cyclic Humidity	ASTM D 1735 (500 hours)	Pass - no blistering
Distilled Water	ASTM D 870 (240 hours)	Pass - no blistering
Exterior Durability	ASTM G154 (QUV-B, 300 hours)	>50 % (G/R)

#### Pre-treatment

For maximum protection it is essential to pretreat components for exterior use prior to the application of Interpon 810 Clear. Aluminum components should receive a full multi-stage chromate conversion coating to clean and condition the substrate. Detailed advice should be sought from the pretreatment supplier.

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**Application**

Interpon 810 Clear powder can be applied by manual or automatic electrostatic spray equipment. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

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**Safety Precautions**

When using do not eat, drink or smoke. Do not breathe the dust.  
In case of insufficient ventilation wear suitable respiratory equipment.  
For further information please refer to the specific product Material Safety Data Sheet (MSDS).

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**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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