

# Product Data Sheet

## AkzoNobel Powder Coatings

### Interpon 620 AM

### OA563E

### Matt RAL9010

#### Product Description

**OA563E** is a Polyester based powder coating, formulated without the use of TGIC, offering the benefits of **Interpon 620** in combination with specific antimicrobial activity.

**OA563E** has been specifically designed for use on ceiling tiles and as such gives a uniform colour across varying film thickness to avoid a mismatch of tiles during installation.

#### Powder Properties

<b>Chemical type</b>	Polyester
<b>Particle Size</b>	Suitable for electrostatic spray
<b>Specific gravity</b>	1,6 – 1,7 g/cm <sup>3</sup>
<b>Film Thickness</b>	60 – 70 microns
<b>Storage</b>	Dry cool conditions below 25°C (open boxes must be resealed)
<b>Shelf life</b>	12 months
<b>Sales Code</b>	OA563E
<b>Stoving schedule</b> (object temperature)	15 - 30 minutes at 180°C 8 - 16 minutes at 190°C

**Gloss @ 60°** : 17-23% (Q.C specification 17 – 23%)

#### Test Conditions

The results shown below 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.

<b>Substrate</b>	Mechanical tests : Gold Seal Polished steel Chemical & Durability tests : Gold Seal Lightweight Steel
<b>Pretreatment</b>	Zinc Phosphate
<b>Film Thickness</b>	60 – 70 microns
<b>Stoving Schedule</b>	10 minutes at 180°C (object temperature)

#### Mechanical Tests

	[test]	[results]
<b>Adhesion</b>	ISO 2409 (2 mm crosshatch)	GTO
<b>Flexibility</b>	ISO 6860 (conical mandrel)	4mm
<b>Impact (direct/reverse)</b>	ASTM D2794	25/25 kgcm
<b>Erichsen Cupping</b>	ISO 1520	>5 mm
<b>Hardness (2000g)</b>	ISO 1518	No penetration to substrate

#### Chemical and Durability Tests

<b>Salt Spray (250 hours)</b>	ASTM B117	No corrosion creep >2mm from scribe. No blistering.
<b>Cyclic Humidity</b>	BS3900-F2	No blistering or loss of gloss
<b>Distilled water immersion</b>	ISO 2182	No blistering or loss of gloss
<b>Chemical Resistance</b>		Generally good resistance to acids, alkalis and oils at room temperature.
<b>Exterior Durability</b>		Excellent – no chalking slight loss of gloss after 12 months continuous exposure but no film breakdown or reduction in protective properties

# Interpon 620 AM OA563E Matt RAL9010

---

## Pre-treatment

Aluminium, Steel or Zintec surfaces to be coated must be clean and free from grease. Iron phosphate and particularly lightweight Zinc phosphating or ferrous metals improved corrosion resistance. Aluminium substrates may require a chromate conversion coating.

---

## Application

**Interpon 620 AM** powders can be applied by manual or automatic electrostatic spray equipment. It is recommended that powder film thickness be between 60 – 110 microns. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.

---

## Additional Information

**Interpon 620 AM** in conjunction with BioCote Ltd ® has been tested for antimicrobial efficacy in accordance with ISO 22196:2011 and exhibited a minimum of 95% and up to 99,99% reduction in the population of Escheria Coli and Methicillin Resistant Staphylococcus Aureus (MRSA). Testing was carried out by an independent laboratory and is classified as “microbiological results satisfactory”. BioCote silver ion technology has been proven effective against the following bacteria in Laboratory conditions.

### Multi Drug Resistant Bacteria

ESBL Erischeria coli  
CRE Klebsiella pneumoniae  
MRSA Methicillin Resistant Staphylococcus Aureus  
VRE Vancomycin Resistant Enterococcus

### Bacteria

Acinetobacter baumannii  
Bacillus subtilis  
Campylobacter coli  
Campylobacter jejuni  
Clostridium difficile (excluding spore form)  
Escherichia coli O 157  
Enterbacter aerogenes  
Enterococcus faecalis  
Legionella pneumophila  
Listeria monocytogenes  
Pseudomonas auruginosa  
Salmonella enteritidis  
Salmonella typhimurium  
Shigella spp.  
Staphylococcus aureus  
Staphylococcus epidermidis  
Streptococcus faecalis

**Interpon 620 AM** contains BioCote silver phosphate glass antimicrobial technology to preserve the coating surface and prevent degradation caused by microbial growth once applied to the intended substrate.

---

## Safety Precautions

Please consult the Material Safety Datasheet (MSDS).

---

## Disclaimer

### FOR PROFESSIONAL USE ONLY

**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.

Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel

---

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

Copyright © 2014 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel  
OA563E - Issue 3  
Issued: Nov.2014

**Interpon**®