

Product Data Sheet

AkzoNobel Powder Coatings

Interpon A2204 basecoat MW188I

Product Description

Interpon A2204 basecoat comes in an array of metallic finishes, which offer enhanced exterior durability with the application of a super-durable polyester clearcoat. These advanced systems incorporate proprietary technology to protect and extend the life of these metallics. These **Interpon A2204 basecoat** powders are moisture and stain resistant, chemical and chip resistant durable, and built to last in the most challenging environments.

Powder Properties

Chemical type	Polyester
Area of usage	Automotive trim parts, roof rail systems
Particle Size	Custom manufactured
Appearance	Smooth, satin
Colour	Silver metallic
Density (g/cm³)	1,17 ± 0,05
Stoving schedule	10 minutes at 200°C (time at object temperature)
Application	Electrostatic
Storage Stability	under dry, cool (<25°C) conditions, at least 24 months from production date

Comments

The product is recommended to be topcoated with suitable clear coat for outdoor applications

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	Steel panels, Aluminium
Pretreatment	Bonder (WH/60/OC) iron phosphate, Bonder (722/W/OF)
Film Thickness	70 µm
Cure Schedule	10 minutes at 200°C

Mechanical Tests

Adhesion	DIN EN ISO 2409	Gt 0A
Erichsen Cupping	DIN EN ISO 1520	≥ 8 mm
Impact	ASTM D 2794	≥ 20 ip (reverse)

Corrosion Tests

Salt Spray	DIN EN ISO 9227	240 h corrosion creep < 2 mm from scribe
Humidity Test	DIN EN ISO 6270-2	240 h no blistering

Pre-treatment

Steel surfaces to be coated must be clean and free from grease. For maximum protection it is essential to pre-treat components prior to the application of **Interpon A2204 basecoat**. Iron Phosphate and Zinc Phosphate of ferrous metals improve corrosion resistance. Aluminium parts require a chromate conversion pre-treatment.

Interpon A2204 basecoat MW188I

Application

Interpon A2204 basecoat powders can be applied by manual or automatic electrostatic spray equipment. Tribo application is not recommended. It is recommended that for consistent application and appearance product be fluidized during application.

MW188I must be fully cured otherwise there may be a loss of metallic effect or discoloration of the clear topcoat. **MW188I** is not stabilized for direct gas fired ovens.

- All coated pieces should be handled with clean lint free gloves
- Parts should not be stored in an environment with high humidity
- Clear coat should be applied as soon as possible after metallic application (maximum time between coats is 8 hours)
- Parts should not be passed through a pre-treatment process prior to application of the clear coat

Despite the fact that **MW188I** is a bonded metallic it is not recommended to recycle the powder.

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.

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
Rijksstraatweg 31 (building 24) F +31 (0)71 318 6924
PO Box 3 www.interpon.com
2170 BA Sassenheim
The Netherlands

Copyright © 2015 Akzo Nobel Powder Coatings Ltd. Interpon is a registered trademark of AkzoNobel
Interpon A2204 basecoat - MW188I - Issue #3
Issued: 27.03.2014 Revision Date: 11.06.2015

Interpon[®]