

Product Datasheet



BU Powder Coatings

AkzoNobel
Tomorrow's Answers Today

Interpon D2000 Gloss/Satin/Matt

Product Description

Interpon D2000 is a series of high durability powder coatings specifically formulated for use on architectural aluminium components. Conforming with the performance requirements of the AAMA2604.2 specification. **Interpon D2000** gives superior durability and colour retention. **Interpon D2000** powders are available in a 31 shade standard colour range.

Powder Properties

Particle Size Suitable for electrostatic spray

Gloss Gloss 85 ± 5

Satin 60 ± 5

Matt 25 ± 5

Specific gravity 1.2 – 1.9 g/cm³ depending on colour

Storage Dry cool conditions below 30°C

Shelf life 18 months

Sales Code Q & Y series

Stoving schedule 20 minutes at 180°C

(object temperature) 15 minutes at 190°C

10 minutes at 200°C

8 minutes at 210°C

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.

Substrate Aluminium

Pretreatment Chromate

Film Thickness 60 microns

Stoving 10 minutes at 200°C (object temperature)

Mechanical Tests

Dry Adhesion AAMA2604.02, 7.4.1.1 Pass - Gt 0

Abrasion Resistance AAMA2604.02, 7.6 Pass - abrasion co-efficient >20

Dry Film Hardness AAMA2604.02, 7.3 Pass - no rupture of film
ASTM D3363

Impact AAMA2604.02, 7.5 Pass - no tape removal of film to substrate following 0.1" deformation

Chemical and Durability Tests

Salt Spray ASTM B117 Pass at 3000 hours - no corrosion more than 1.6mm from scribe.
AAMA2604.02, 7.8.2
ASTM D1654
Minimum blister rating 8

Constant Humidity ASTM D2247 Pass at 3000 hours - blister formation less than "few" size no. 8
ASTM D714
AAMA2604.02, 7.8.1

Boiling Water Adhesion AAMA2604.02, 7.4.1.3 Pass - no blistering, Gt 0

Wet Adhesion AAMA2604.02, 7.4.1.2 Pass - no blistering, Gt 0

Muriatic Acid Test AAMA2604.02, 7.7.1 change in appearance Pass - no blistering. No

Nitric Acid Resistance AAMA2604.02, 7.7.3 Pass - ΔE (Hunter) <5
ASTM D2244

Detergent Resistance AAMA2604.02, 7.7.4 Pass - no blistering, no adhesion loss

Interpon
powder coatings
EVERY COLOR IS GREEN

Interpon D2000 Gloss/Satin/Matt

	Exterior Durability	5 years Florida exposure AAMA2604.02, 7.9	Excellent performance. Colour change ΔE (Hunter) <5. Gloss retention >30%. Chalking - none in excess of No.8 ASTM D4214:89
	Colour Stability at elevated temperatures		Good
Pretreatment	For maximum protection it is essential to pretreat components prior to the application of Interpon D2000 . Aluminium components should receive a full multi-stage chromate conversion coating or suitable chrome-free pre-treatment to clean and condition the substrate. Detailed advice should be sought from the pre-treatment supplier.		
Application	Interpon D2000 is designed for specific application by Trasmetal Disc. Only one spray run and one batch of powder should be used for components going on the same building. Certain finishes are not suitable for recycling and advice must be sought from the supplier.		
Safety Precautions	Please consult the Material Safety Datasheet (MSDS)		

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 advice 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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