

Interpon D1010 Product Pages

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Interpon D1010

Product Description:	Interpon D1010 is a series of high durability powder coatings specially formulated for use on architectural aluminium. Interpon D1010 conforms with the performance requirements of AAMA2603 and AS3715 specifications. Interpon D1010 gives excellent exterior durability and colour retention performance. Interpon D1010 is used where resistance to environmental conditions is required (window frames, sills, patio doors, claddings and residential doors etc). Interpon D1010 powders are available in a selected range of colours, in gloss, satin and matt finishes		
Powder properties:	Chemical type Particle size Specific gravity Storage Shelf Life Sales code Stoving Schedule	Polyester Suitable for electrostatic spray 1.2 - 1.7 depending on colours Dry cool conditions (below) 30°C 18 months G-Series 10 mins at 200°C (Object temperature)	
Film properties:	Mechanical tests carried out on chromated aluminium panels. All tests performed on panels coated with 60 to 80 microns of a gloss finish powder stoved for 10 minutes at 200°C (metal temperature) Reduced gloss finishes may show lower values for mechanical performance.		
Mechanical tests:	Flexibility Adhesion Erichsen Cupping Pencil Hardness Reverse Impact Resistance	(Bend Test) AS1580 402.1 (2mm Crosshatch) AS1580 408.4 BS3900-E4 AS1580 405.1 AS3715 Section 2.8	Pass 3mm Classification 1 maximum Pass > 7mm F - minimum Pass 2.5Nm
Chemical and durability tests:	Salt Spray Humidity Resistance Artificial weathering -Chalking - Colour change Exterior durability	AS3715 Section 2.10 AS3715 Section 2.7 ASTM G53/77 (500 hours)	Pass at 1000 hrs - no corrosion area more than 2mm from scribe Pass at 500 hrs - no blistering Excellent performance. Slight even loss of gloss; no checking, cracking, flaking or chalking. None in excess of minimum in ASTM D659: 1980 None in excess of one Munsell Step (Florida exposure 45°S. Allunga, QLD. exposure 45°N) Pass 12 months with standard of performance as in artificial weathering test above.

Pretreatment:	For maximum protection it is essential to pretreat architectural components prior to the application of Interpon D1010 . Aluminium extrusions must receive a full chromate conversion coating.
Application:	Interpon D1010 can be applied by manual or automatic electrostatic spray equipment, however for consistency of finish automatic equipment is preferred. Unused powder can be reclaimed using suitable equipment and recycled through the coating system.
Additional Information:	<p>A ten year product performance warranty is available to approved applicators. Further detail is available on request.</p> <p>For further details on powder properties and film performance of Interpon D1010 please contact Akzo Nobel Local Sales Office.</p>
Safety Precautions:	<p>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 customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact Akzo Nobel to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows.</p> <p>All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapours resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in the AS3754, 1990, Safe Application of Powder Coatings by Electrostatic Application.</p>
Disclaimer:	The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this 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. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.