

# Product Data Sheet



## BU Powder Coatings Interpon D1036 SG RAL9016 WHITE Product Code: SC18AN

### Product Description

**Interpon D1036 SG RAL9016 WHITE** is a standard durable powder coatings specifically formulated without TGIC, for use on architectural aluminium components. Providing new levels of weathering resistance **Interpon D1036 SG RAL9016 WHITE** surpasses the performance of all leading architectural powders. It offers significantly higher gloss retention and resistance to colour change combined with maximum film integrity to ensure long term cosmetic and functional protection. The **Interpon D1036 SG RAL9016 WHITE** has been awarded the prestigious Qualicoat, Class 1 approval for standard durable architectural powder coatings and conforms to the requirements of EN12206 (high durability systems).

### Powder Properties

<b>Chemical type</b>	Polyester
<b>Gloss</b>	65-75
<b>Particle Size</b>	Suitable for electrostatic spray
<b>Density</b>	1.600 ±0.1 g/cm <sup>3</sup>
<b>Storage</b>	Dry cool conditions under 30°C
<b>Shelf life</b>	12 months
<b>Sales Code</b>	S series
<b>Stoving schedule</b> (object temperature)	at 200°C: 10 min

### 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>	Aluminium (0,8mm Al Mg1)
<b>Pretreatment</b>	Chromate
<b>Film Thickness</b>	60-80 microns
<b>Stoving</b>	10'/200°C (object temperature)

### Mechanical Tests

<b>Adhesion</b>	ISO 2409 (2 mm Crosshatch)	0
<b>Erichsen Cupping</b>	ISO 1520 and Qualicoat Class1	Pass
<b>Hardness</b>	ISO2815 (Bucholz)	>80
<b>Impact</b>	ISO 6272 and Qualicoat Class1	Pass
<b>Flexibility</b>	ISO6860 Qualicoat Class1	Pass

### Chemical and Durability Tests

<b>Salt Spray</b>	ASTM B117-85 (1000 hours)	Pass – No corrosion creep more than 2.0 mm from scribe Minimum blister rating 8.
<b>Acetic Acid Salt Spray</b>	ISO 9227 (1000 hours)	Pass-<16mm <sup>2</sup> corrosion/10cm
<b>Constant Humidity</b>	ISO 6270 (1000 hours)	Pass – No corrosion area >1mm from scribe
<b>Sulphur Dioxide</b>	ISO 3231 (Kesternich)	Pass – No blistering or loss of gloss or Discoloration
<b>Permeability</b>	Pressure Cooker EN12206-1:2004 Part 5.10	Pass- No defects after 1 hour (2 hours boiling water)

## Chemical and Durability

<b>Tests (Continue)</b>	<b>Chemical Resistance</b>		Generally good resistance to dilute acids, Alkalis and oils at normal temperatures.
	<b>Mortar Resistance</b>	EN12206-1:2004 Part 5.9	No effect after 24 hours
	<b>Exterior Durability</b>	ISO2810 12 months Florida	Exceeds Qualicoat Class1 requirements
	<b>Color Stability at Elevated temperatures</b>		Excellent

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### Pretreatment

For maximum protection it is essential to pretreat architectural components prior to the application of **Interpon D1036 SG RAL9016 WHITE**. Aluminium components should receive a full multi-stage chromate conversion coating or a suitable chrome-free pretreatment to clean and condition the substrate. Detailed advice should be sought from the pretreatment supplier.

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### Application

**Interpon D1036 SG RAL9016 WHITE** can be applied by manual or automatic electrostatic spray equipment. For solid shades, unused powder can be reclaimed using suitable equipment and recycled through the coating system. For mixed colors and certain special effect finishes, advice must be sought from the manufacturer, as to the suitability or otherwise of the product for recycling. Certain special effect finishes may not be suitable for recycling. For all mixed color/special effect systems, advice must be sought as to the correct mixing ratio for virgin/reclaim powder.

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### Safety Precautions

Please consult the Material Safety Datasheet (PC010) copies of which are available on request.

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### 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 conformation 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 from 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

