

# Product Datasheet



**AkzoNobel**  
Tomorrow's Answers Today

## BU Powder Coatings Interpon D2525 SD Gloss (80)

The information given in this datasheet is generic for the range **Interpon D2525 Gloss**. Specific products within the range can vary from the generic. For these products individual product datasheet are available.

### Product Description

**Interpon D2525 SD Gloss (80)** is a range of powder coatings intended for use on architectural aluminium and galvanized steel. Available in a wide stock range **Interpon D2525 SD Gloss (80)** has been specifically formulated without the use of TGIC. As part of the **Interpon D** series of architectural powders, **Interpon D2525 SD Gloss (80)** gives excellent exterior durability and colour retention and conforms to the requirements of all the major European architectural finishing standards. All **Interpon D2525 SD (80)** powders are lead-free and meet the requirements of GSB Master, Qualicoat Class 2, EN 12206 (formerly BS6496) and EN EN13438 (formerly BS6497).

### Powder Properties

<b>Chemical type</b>	Polyester
<b>Gloss (60°) ISO2813</b>	80±5
<b>Particle Size</b>	Suitable for tribo and corona application
<b>Density</b>	140±0.2 g/cm <sup>3</sup> depending on colour
<b>Storage</b>	Dry cool conditions
<b>Shelf life</b>	24months ≤ 30°C
<b>Stoving schedule</b> (object temperature)	25-30 minutes at 170°C 12-20 minutes at 180°C 8-15 minutes at 200°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.

<b>Substrate</b>	Aluminium (0.5-0.8mm Al Mg1)
<b>Pretreatment</b>	Chromate
<b>Film Thickness</b>	60-80 microns
<b>Stoving</b>	8 minutes at 200°C (object temperature)

### Mechanical Tests

<b>Adhesion</b>	ISO 2409 (2mm Crosshatch)	Gt 0
<b>Erichsen Cupping</b>	ISO 1520 and Qualicoat Class 2	Pass
<b>Hardness</b>	ISO 2815	Minimum 80
<b>Impact</b>	ASTM D2794 and Qualicoat Class 2	Pass
<b>Flexibility</b>	ISO 1519 and Qualicoat Class 2	Pass 4 mm

### Corrosion Tests

<b>Salt Spray</b>	ISO 7253	Pass at 1000 hours – no corrosion area more than 2 mm from scribe – Minimum blister rating 8
<b>Acetic Acid Salt</b>	ISO9227	Pass at 1000 hours <16 mm <sup>2</sup> corrosion/10cm
<b>Constant Humidity</b>	ISO6270	Pass at 1000 hours – no blistering Creep <1mm from scribe
<b>Sulphur Dioxide</b>	ISO 3231	Pass 30 cycles – no blistering Creep <1mm from scribe
<b>Permeability</b>	Pressure Cooker EN12206-1:2004 Part 5.10	Pass – no defects after 1 hour (2 hours boiling water)
<b>Chemical Resistance</b>	Generally good resistance to acids, alkalis and oils at normal temperatures	

**Interpon**  
powder coatings  
EVERY COLOR IS GREEN

## Interpon D2525 SD Gloss (80)

	<b>Mortar Resistance</b>	EN12206-1:2004 Part 5.9	No effect after 24 hours
<b>Weathering Tests</b>	<b>Exterior Durability</b>	ISO2810 (Florida 36 months 5° south)	<u>Exceeds Qualicoat Class 2 requirements after 3 years Florida Exposure</u>
	<b>Colour Stability at Elevated Temperatures</b>		Ecellent
<b>Pretreatment</b>	For maximum protection it is essential to pretreat components prior to the application of <b>Interpon D2525 SD Gloss (80)</b> . Aluminium components should receive a full multi-stage chromate conversion coating or suitable chrome-free pretreatment to clean and condition the substrate. Detailed advice should be sought from the pre-treatment supplier.		
<b>Application</b>	<b>Interpon D2525 SD Gloss (80)</b> powders can be applied by manual electrostatic spray equipment. For solid shades unused powder can be reclaimed using suitable equipment and recycled through the coating system. For mixed colours 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 colour/special effect systems, advice must be sought as to the correct mixing ratio for virgin/reclaim powder.		
<b>Post Application</b>	For specific advice on the suitability of post coating processes such as bending or the use of sealants, adhesives, thermal break, cleaning, etc. Please consult AkzoNobel.		
<b>Safety Precautions</b>	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 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.

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