Product Data Sheet

BU Powder Coatings

Interpon D1036 SG RAL7032 GREY
Product Code: SP12CN

Product Description

Interpon D1036 SG RAL7032 GREY 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 RAL7032 GREY** 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 RAL7032 GREY** 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

Chemical type	Polyester
Gloss	65-75
Particle Size	Suitable for electrostatic spray
Density	1.600 ±0.1 g/cm^3
Storage	Dry cool conditions under 30°C
Shelf life	12 months
Sales Code	S series
Stoving schedule (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.

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

Mechanical Tests

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

Chemical and Durability Tests

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

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Chemical and Durability

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

Pretreatment

For maximum protection it is essential to pretreat architectural components prior to the application of **Interpon D1036 SG RAL7032 GREY**. 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.

Application

Interpon D1036 SG RAL7032 GREY 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.

Safety Precautions

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

Disclaimer