Orion Coil Coating Ltd

Organic Coatings & Laminated Products

ORION POLYESTER COATINGS

Available in a range of colours. Orions Polyester (OIR25-POL) are suitable for external roof and wall cladding and is an economical alternative for roofing applications particularly in a non aggressive environment.

- 25 micron coating / Two coat system with high performance backing coat to the reverse.
- Available in Standard Colours with bespoke colour matching.
- Available on metallic substrates including HDG,Aluzinc and Aluminium.
- Chrome free product.
- Manufactured in the U.K.

DATA SHEET

Nominal Coating Top.	Micron	25(DFT) EN 13523-1
Nominal Coating Back.	Micron.	7/10(DFT) EN 13523-1
Specular Gloss.	%.	30/50 EN 13523-2
Abrasion Resistance.	mg.	<30 EN 13523-16
Adhesion.	%.	100 Pass EN 13523-6
T Bend Flexibility.		4T @18 o C BS EN ISO 17132:2007,EN 13523-7
Corrosion Resistance		
Salt Spray.	(h).	350 ISO 7253,EN ISO 4268-2,EN ISO 9227,EN 13523-8
Humidity.	(h).	1000 BS EN ISO 6270-2,2005 EN 13523-25
UV Resistance.		QUV (2000h) Delta E <5
UV Resistance Category RUV 2		
Chalking		None
Resistance to Mineral Oils.		High

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ORION PLASTISOL COATINGS

DATA SHEET

Available in a range of colours.Orions Plastisol (OIR-LG) products are suitable for external roof and wall cladding.

- 200 micron Plastisol Coating with high performance backing coat to the reverse.
- Leathergrain emboss as standard.
- Available on a number of metallic substrates including HDG,Aluzinc and Aluminium.
- Chrome free product.
- Manufactured in the U.K.
- The product comes with a guarantee up to 25 years (conditions apply) depending on orientation and location.

Nominal Coating Top.	**Mic.**	**200 DFT EN 13523-1**
Nominal Coating Back.	**Mic.**	**7/10 DFT EN 13523-1**
Minimum Bend Radius.		**0T @ 18 oC EN 13523-7**
Scratch Resistance.	**g.**	**>3500. EN 13523-12**
Abrasion Resistance.	**mg.**	**12. EN 13523-16**
Cross Hatch Adhesion.		**%100. Pass. EN 13523-6**
Corrosion Resistance		
Saltspray.	**(h).**	**1000 ISO 7253,EN ISO 4628-2,EN ISO 9227,EN13523-8**
Humidity.	**(h).**	**1000 BS EN ISO 6270-2,2005, EN 13523-25**
Resistance to Mineral oil.		**High**
UV Resistance.		**QUV (1000h) Delta E <3:UV Resistance Category RUV 3/4**
Chalking.		**None**
Gloss Levels.		**15/60 BS EN ISO 2813,EN 13523-2**

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ORION POLYURETHANE COATINGS

DATA SHEET

Orions PU ARS 50 coatings are suitable for external roof and wall cladding. The coatings offer a robust and durable topcoat making it easy for handling and processing.

- Available in a range of solid and metallic colours consisting of a 50 micron coating.
- Two coat system using a high build primer.
- High performance backing coat.
- Available on metallic substrates including HDG,Aluzinc and Aluminium.
- Chrome free product.
- Manufactured in UK

Nominal Coating Thickness.	**mic.**	**50(DFT)**	**EN 13523-1**
Specular Gloss.	**%.**	**30/50.**	**EN 13523-2**
Scratch Resistance.	**g.**	**> 3500**	**EN 13523-12**
Abraision Resistance.	**mg.**	**<20.**	**EN 13523-12**
(Tabe 250 Rev,1Kg)			
Flexibility			
T Bend Radius.		**1T @ 16oC**	**EN 13523-7**
Adhesion.	**%.**	**100.**	**EN 13524-6**
Pencil Hardness.	**H.**	**EN 13523-4**	
Corrosion Resistance			
Salt Spray.	**(h).**	**1000**	**EN 13523-8**
Humidity.	**(h).**	**1000.**	**EN 13523-26**
Corrosion Resistance Category.		**RC 4/5.**	**EN 10169-2010**
UV Resistance Category.		**RUV 4**	

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