TATA STEEL

TATA

Colorcoat® PVDF

Thin coating solution for wall cladding

Colorcoat® PVDF is particularly well suited to building envelope applications such as wall cladding and panels, where good colour and gloss retention are important.

- Smooth 25µm coating offering good colour retention and stability.
- Galvanised substrate with Zinc or MagiZinc® metallic coating offering very good corrosion resistance.
- Available in a range of solid and metallic colours.
- High-performance reverse side backing coat specially formulated for use in construction applications.

Colorcoat® reassurance

The Colorcoat® brand provides the recognised mark of quality and expertise from Tata Steel. Encompassing over forty years of innovation, strict testing procedures and manufacturing excellence, Colorcoat® provides a range of pre-finished steel products which have been used on countless projects worldwide.

Tailored solutions

For any customised requirements, MyriaPlus® can meet your needs with shorter lead times, flexible quantities and further processing.

For further information, please visit **www.myriadservice.com**

Colorcoat® PVDF

Product performance

Colorcoat® PVDF is carefully manufactured in a controlled process to ensure consistent quality. Colorcoat® PVDF is suitable for wall cladding systems and panels.

The actual durability of Colorcoat® PVDF in any particular location will depend upon the exact specification. The use of Colorcoat® PVDF in distinctly marine and heavily industrialised environments is not recommended.

Tata Steel has a range of Colorcoat® products suitable for different environments and applications.

Guarantee period

A fit for purpose guarantee is available. The actual duration of the guarantee will depend on the environment, geographic location and application.

Product testing

To ensure the integrity of Colorcoat® products, Tata Steel uses laboratory tests to measure their performance against corrosion, effect of sunlight, chemicals and abrasion. All testing of products is carried out in accredited laboratories to international standards.

Typical properties

Colorcoat® PVDF			Test standard
Nominal organic coating thickness	µm	25	EN 13523 - 1
Specular gloss (60°)	%	15-40	EN 13523 - 2
Scratch resistance	g	2000 g	EN 13523 - 12
Abrasion resistance (Taber, 250 rev., 1 kg, CS10 wheels)	mg	< 30	EN 13523 - 16
Flexibility: Minimum bend radius	T	2T	EN 13523 - 7
Adhesion	T	≤ 1T	EN 13523 - 7
Corrosion resistance:			
Salt spray	hours	500	EN 13523 - 8
Humidity	hours	1000	EN 13523 - 26
Corrosion resistance category		RC3	EN 10169:2010
UV resistance category		RUV4	EN 10169:2010
Reaction to fire classification		A1	EN 13501 - 1

General notes

1. The figures contained in this table are typical properties and do not constitute a specification. For details on test methods see **www.colorcoat-online.com**
2. To meet the corrosion resistance properties, a Zinc weight of Z 275g/m^2 or MagiZinc® ZMA 140g/m^2 applies. On request Z 225g/m^2 can apply as a minimum coating weight.

Contact details

www.colorcoat-online.com

Trademarks of Tata Steel UK Limited

Colorcoat, MagiZinc and MyriaPlus are trademarks of Tata Steel UK Limited.

Care has been taken to ensure that the contents of this publication are accurate, but Tata Steel Europe Limited and its subsidiaries, (including Tata Steel UK Limited), do not accept responsibility or liability for errors or information that is found to be misleading. Suggestions for, or descriptions of, the end use or application of products or methods of working are for information only and Tata Steel Europe Limited and its subsidiaries accept no liability in respect thereof.

Before using products or services supplied or manufactured by Tata Steel Europe Limited and its subsidiaries, customers should satisfy themselves as to their suitability.

Tata Steel Europe Limited is registered under number 05957565 with registered office at 30 Millbank, London, SW1P 4WY.

Copyright 2012 Tata Steel

Language English 0212