

Advantica® CL Decor External

Realistic designs on a colaminate product for external applications demanding high quality aesthetics

Applications

- Doors including garage and roller shutters, garden sheds, above ground pools and other manufactured goods for external use.

Characteristics

- High precision design.
- Smooth surface with excellent UV resistance.
- Excellent formability.

Substrates available

- Hot-dip Galvanised to EN 10346.

Options

- Designs available on request.
- Alternative backing coats available.
- Protective film.

Advantica® working with you

The Advantica® brand provides a range of pre-finished steel products specially formulated for manufactured goods and widely used for diverse applications. The Advantica® product range is available in a wide range of colours, with solid or metallic effects as well as bespoke finishes tailored to individual needs. With continuous investment in research and development Tata Steel constantly update the product portfolio to ensure that they can meet the requirements of the manufactured goods sector.

Tailored solutions and services

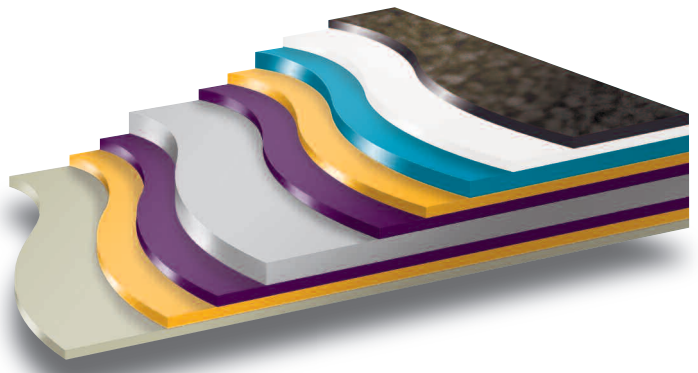
For any customized requirements, Tata Steel can meet your needs with shorter lead times, flexible quantities and further processing.

Our technical support team is on hand to help you to define:

- The best solution in view of the application and the manufacturing process.
- The precautions to be taken regarding the end use of this product.
- Can provide a list of the standard designs.

For further information, please visit www.tatasteelconstruction.com

Advantica® CL Decor External structure



Key

	Decorative PET film		Adhesive		Primer		Surface treatment
	Metallic coating		Steel		Backing coat		

Note:

Advantica® CL Decor External has not yet been tested in external building envelope applications. Please consult us if considering these applications.

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Product testing

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

Forming and processing

The Advantica® products can be formed and processed with various techniques including: cutting, shearing, notching, piercing, slitting, press braking, folding, roll forming, spinning and deep drawing.

Cleaning and maintenance

Advantica® CL Decor External can be cleaned with commercially available, water based cleaning products. The use of abrasive cleaners or scouring pads is not recommended.

Typical properties

Advantica® CL Decor External			Test standard
Nominal organic coating thickness	µm	45	EN 13523 - 1
Specular gloss (60°)	GU	20 - 30	EN 13523 - 2
Adhesion after indentation		Pass	EN 13523 - 6
Flexibility (minimum bend radius)	T	1	EN 13523 - 7
Scratch resistance	g	3000	EN 13523 - 12
Abrasion resistance (Taber, 250 rev. 1 kg, CS10 wheels)	mg	< 15 No degradation of the printed design	EN 13523 - 16
Pencil hardness		2H	EN 13523-4
Corrosion resistance: Neutral salt spray	hours	360	EN 13523 - 8
Humidity resistance	hours	1500	EN 13523 - 26
UV resistance - QUVA	hours	2000hrs	EN 13523-10
Gloss retention	%	>80	
Colour fastness	Visual	No significant visual change	

Notes

1. The figures contained in this table are typical properties and do not constitute a specification. If forming pre-finished steel below 16°C please consult Tata Steel for further information.
2. Corrosion and humidity performance subject to specification such as minimal metallic coating weight.

Contact details

www.tatasteelconstruction.com

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