

Advantica® L Control

A laminate developed for controlled environments

Applications

- Controlled environments: cold stores and clean rooms.

Characteristics

- Good resistance to chemicals and detergents.
- Excellent resistance to abrasion and scratches.
- Foodsafe.

Substrates available

- Hot-dip Galvanised to EN 10346.

Options

- Alternative backing coats available.
- Protective film.
- Antistatic properties.
- Different colours on request.

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.

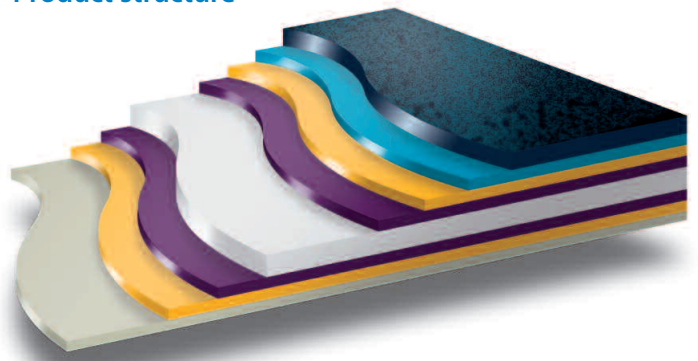
Tailored solutions and services

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.

For further information, please visit www.tatasteelconstruction.com

Product structure



Key

 PVC film	 Adhesive	 Surface treatment
 Metallic coating	 Steel	 Backing coat

Advantica® L Control

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

All Advantica® products can be cleaned with commercially available, water based cleaning products with a pH of between 5 and 9. The use of abrasive cleaners or scouring pads is not recommended. For controlled environments, ensure that the cleaner is compatible with the pre-finished steel product used on.

Typical properties

Advantica® L Control	Test standard		
Nominal organic coating thickness	µm	120 or 150	EN 13523 - 1
Specular gloss (60°)	GU	8-15	EN 13523 - 2
Pencil hardness		> 4H	EN 13523 - 4
Adhesion after indentation	T	Pass	EN 13523 - 6
Adhesion on bending	T	0	EN 13523 - 7
Flexibility (minimum bend radius)	T	0	EN 13523 - 7
Scratch resistance	g	4000	EN 13523 - 12
Corrosion resistance: Neutral salt spray	hours	500	EN 13523 - 8
Humidity resistance	hours	1500	EN 13523 - 25
Fire resistance		B-s1,d0	EN 13501 - 1
VOC		A+	EN ISO 16000 - 9 : 2006
Service temperature range	°C	-40° to +60°	

Notes

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.

Humidity performance subject to specification such as minimal metallic coating weight.

Food safety: compatible for continuous and direct contact with dry, aqueous and acidic foodstuffs.

*Not suitable for outdoor use.

Contact details

www.tatasteelconstruction.com

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