

Advantica Horti Control®

Laminated pre-finished steel for robust, bright and durable horticultural gutters and internal walls

Application

Advantica Horti Control® is specifically tailored for high performance horticulture: the very robust topcoat and improved backing coat provide a high level of light reflectance, which promotes plant growth. Its cleanability ensures a long service life and the resistance of the topcoat to various chemicals, including H₂O₂ vapour, helps create a hygienic environment. Advantica Horti Control® is compatible with biological horticulture.

Characteristics

- Very robust topcoat
- Excellent hygienic properties
- Very high level of light reflection both top- and back side
- Topcoat is resistant to many cleaning agents, even to H₂O₂
- Compatible with biological horticulture
- Long service life
- Z225 Hot-dip Galvanised substrate to EN 10346
- The product has a low carbon footprint, optionally available with Lower Carbon Embodied Prepaint Steel and Zeremis® (mass-balanced)
- A third party verified EPD is available
- Fully REACH compliant
- A fit for purpose guarantee is available for up to 10 years

Continuous improvement

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.

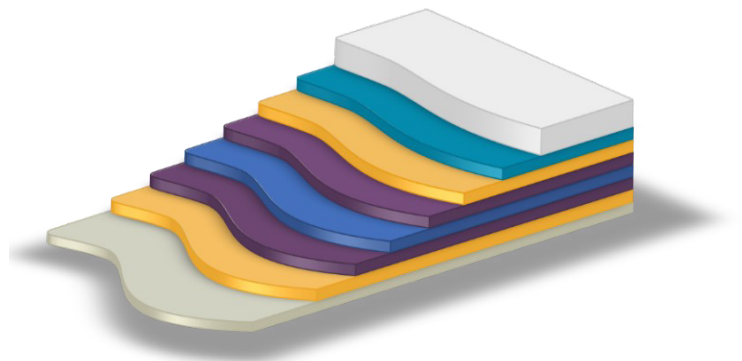
Myriaplus®

Tailored solutions and services

For any customised 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:

- To tailor products to customer needs for the application requested
- The best solution in view of the application and the manufacturing process
- The precautions to be taken regarding the end use of this product

Product structure



Key

■ PVC film (150μ)	■ Adhesive (8μ)	■ Surface treatment
■ Metallic coating	■ Steel substrate	■ Backing coat

Product testing

To ensure the integrity of the Advantica® 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 specialised laboratories to international standards.

Forming and processing

Depending on specification and steel grade the Advantica® products can be formed and processed with various techniques including: cutting, notching, piercing, slitting, press braking, roll forming, spinning and deep drawing.

Cleaning and maintenance

The robust topcoat film is optimised for intense cleaning at standard ambient temperatures, including H₂O₂ (5%) based deep cleaning. The use of abrasive cleaners or scouring pads is not recommended. H₂O₂ cleaning is compatible with biological horticulture conform EU 2017/409.

After cleaning, always thoroughly rinse the exposed sides of Advantica Horti Control® with clean water. This prevents localised high concentrations of aggressive cleaning agents.

Guarantee period

A fit for purpose guarantee is available for up to 10 years. The actual duration of the guarantee will depend on the geographic location and application.

For further information, please visit

www.tatasteelnederland.com/products
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Typical properties

Advantica Horti Control®	Test norm	
Nominal organic coating thickness	150 µm	EN 13523 - 1
Gloss level (60°)	10%	EN 13523 - 2
Nom. light reflectivity top	86.5%	BS 8493
Nom. light reflectivity reverse	76%	BS 8493
Flexibility:		
Minimal bending radius	0T@16°C	EN 13523 - 7
Minimal adhesion	0T	EN 13523 - 7
Pencil hardness	4H	EN 13523 - 4
Scratch resistance (g)	4000	EN 13523 - 12
Corrosion resistance:		
Salt spray test	500 h	EN 13523 - 8
Condensation test	1500 h	EN 13523 - 26
UV resistance	Ruv1	EN 10169
CPI category	CPI5	EN 10169
Max continuous operating temperature	60°C	EN 13501 - 1
Food safety	Pass	EN 1186
		EN 13130

Notes

- The figures are typical properties of the topcoat and do not constitute a specification. For details on test methods see www.tatasteelnederland.com/products
- If forming pre-finished steel below 16°C please consult Tata Steel for further information
- To meet the corrosion resistance properties, a Zinc weight of 2225 gr/m² applies
- Not suitable for outdoor use

www.tatasteelnederland.com

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