Advantica® T

A pre-finished steel product with very good scratch resistance

Applications

- Advantica® T is for instance used for doors and windows, HEVAC, furniture and teletronics.

Characteristics

- Very good scratch resistance.
- Good corrosion resistance.
- Lightly textured surface appearance.
- A third party verified EPD is available.
- Fully REACH compliant.

Substrates available

- Hot dipped galvanized to EN 10346.

Options

- Protective film.
- Alternative backing coats are available.
- The product has a low carbon footprint, optionally available with Lower Carbon Embodied and Zeremis® Carbon Lite (mass-balanced).

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.

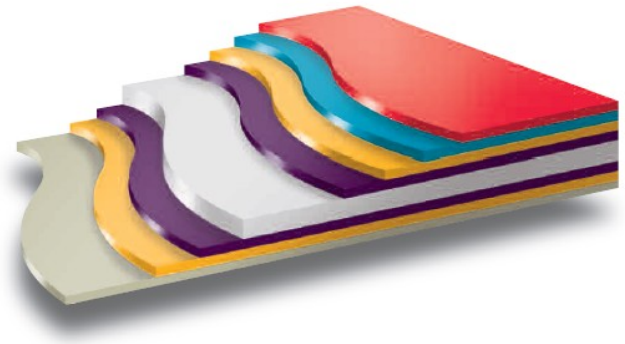
Myriaplus®

Tailored solutions and services

For any 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:

- 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

Topcoat	Primer	Surface treatment
Metallic coating	Steel	Backing coat

Advantica® T

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

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

Typical Properties

Advantica® SDP T		**Test norm**
Nominal organic coating thickness	25 µm	EN 13523 - 1
Gloss level (60°)	10 or 30%	EN 13523 - 2
Flexibility:		
Minimal bending radius	1,5T@16°C	EN 13523 - 7
Minimal adhesion	1T	EN 13523 - 7
Pencil hardness	F	EN 13523 - 4
Scratch resistance (g)	> 2000	EN 13523 - 12
Abrasion resistance (Taber, 250 rev. 1 kg, CS10 wheels)	< 20	EN 13523 - 16
Corrosion resistance*		
Salt spray test	360 h	EN 13523 - 8
Condensation test 1500 h	CPI3	EN 13523 - 26
Corrosion resistance category	RC3	
UV resistance - QuvA 2000 h	Ruv3	EN 10169
Reaction to fire, Class**	A1	EN 13501 - 1

Notes

- The figures contained in this table are typical properties of the topcoat and do not constitute a specification. For details on test methods see www.tatasteelnederland.com
- 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 ZM120 gr/m2 (MagiZinc) or Z275 gr/m2 applies. On request Z225 gr/m2 can apply as a minimum Zinc weight.

** Fire classification is subject to gauge. Double sided options are available, please contact Tata Steel for further information.

www.tatasteelnederland.com/products

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