

Advantica® easyclean pre-brushed stainless steel

Pre-finished stainless steel for industrial and commercial applications

Easyclean Stainless Steel supplied by Tata Steel is manufactured by continuous coil coating. Stainless steel substrate is coated with a clear high gloss decorative lacquer, which both protects and enhances the metal finish.

The Easyclean coating is designed to ensure that fingerprints and stains are easily removed on cleaning and prevents the accelerated ageing of the stainless steel surface.

The product also has the benefit of built in anti-bacterial properties that prevent and control the spread of harmful germs.

Possible Applications

- Household appliances.
- Kitchen furniture.
- Waste bins.
- Laboratory equipment,
- Anywhere brushed stainless steel is used for decorative effect.



Composition

Substrate: Brushed stainless steel substrates in all available grades. Brushing 'tailor-made' to customer specific requirements.

Coating: A range of lacquers specifically developed for manufactured goods applications, delivering both resistance to abrasion and surface cleaners together with the flexibility required for complex forming operations.

The lacquers have been developed to resist the effects of temperature, scratching and staining. Fingerprints and food staining are easily wiped away with soapy water or non-abrasive spray cleaners.

Anti-bacterial properties delivered through Silver based agents are dispersed throughout the coating to prevent and control the effect of most harmful bacteria including *Staphylococcus aureus* and *Escherichia coli*. The anti-bacterial effect is achieved through the addition of the agent into a standard polyester coating. The anti-bacterial performance has been designed to be long lasting and can withstand cleaning over time.

Products supplied are fully compliant with ISO 22196.

Additional products can be developed in a range of colours (including red, blue, green and purple). If different colours are required please contact Tata Steel.

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Dimensional capability and further processing

- Tata Steel's stainless steel is available in coils ranging from 200mm to 600mm wide, up to 3 tonnes maximum and in gauges from 0.15mm up to 1.6mm.
- Material can be supplied as coated coil, cut into sheets or slit to widths as narrow as 10mm.
- For applications where damage may occur during forming or drawing, handling or transit, we can also supply product with a protective film.

Contact Tata Steel for more information and technical advice or to request samples.

Typical properties

Easyclean pre-brushed stainless steel		Data	Test standard
Gloss	%	100% available	EN 13523 - 2
Pencil hardness		3H Minimum	EN 13523 - 4
Flexibility:			
Reverse impact	J	18	EN 13523 - 5
Minimum bend	T	1T diameter NTO	EN 13523 - 7
Adhesion:			
Cross hatch	%	100%	EN 13523 - 6
Corrosion resistance:			
Humidity	hours	1000	EN 13523 - 25
Maximum continuous operating temperature	°C	200°	
Minimum forming temperature	°C	16°	

Note: All figures are based on target values and do not constitute a specification.

Tata Steel
Brockhurst Crescent
Walsall
West Midlands
WS5 4AX
United Kingdom
T: +44 (0) 1922 629593
W: tatasteelconsumerproducts.com

www.tatasteeleurope.com

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