Characteristics
With Easy2Clean Antifingerprint Coating, a metal surface is coated with a permanent protective layer which helps wiping away dirt or fingerprints quite easily. Usually, a damp cloth or a bit of window cleaning liquid is sufficient to remove stains.

Layer characteristics
Dry coat thickness: 1-2 µm
adhesion / cross cutting test according to DIN EN ISO 2409: GTO (very good / best result)
colourimetric determination according to DIN EN ISO 11664-4: yellowness b= 2.0-3.5
gloss 60° vertically to grinding direction according to DIN EN 13523-2: 80-120
Optics and haptics: almost no detectable changes on stainless steel. Sheets with anti-fingerprint-coating darken more easily than non-coated sheets.

Hardness, abrasion and deformation characteristics
Pencil hardness according to DIN EN 13523-4 min. 2H: 3H very hard
Flexural test according to DIN EN 13523-7: 2T without visual paint delamination
Resistance against quick deformation according to DIN EN 13523-5.
Energy, without visual paint delamination: 10 J (O.K.) 90°- bending

Contact to water, food and chemicals
Solvent resistance according to DIN EN 13523-11: MEK-Test: > 100 double strokes
Resistant to boiling water according to ASTM D6665: 10 min 5 T Bend: unchanged surface
Stain resistance according to DIN EN 13523-18: 1 h 90°C O.K./ 23 h RT O.K.
Surface tension according to ASTM D2578: > 30 mN/m

Corrosion, heat, and UV resistance
Corrosion resistant after salt spray test DIN EN 13523-8: 240 h 60°C on surface and on 1T- 3T bend, no rusting, no blisters.
Heat resistant acc. to DIN EN 13523-13: colour change ΔE < 2.5 after 40 h 120°C
UV resistance acc. to DIN EN 13523-8: colour change ΔE < 1.2 after 500 h 60°C
Coatable materials
Stainless steel: AISI 304 / AISI 316 L
Aluminium AW 5005
Other materials on request

Coatable products
Planar material, blasted with glass beads, ceramic beads or high-class corundum
Surfaces subjected to vibration, hairline, or other grinding and brushing processing
PVD/TiN-coloured stainless steel sheets

Sheet dimensions
Größ: max. 2000 x 6000 mm
Blechstärken: 0.8 bis 2 mm

Additional characteristics
Sheets provided with Easy2Clean anti-fingerprint-coating darken more easily (colour values L a b) than non-coated sheets.
Coated sheets may be bent by 90°.
Coated sheets may be processed by laser. However, the area 1-2 mm next to the cutting edges will burn.
Coated sheets can be punched w/o the finishing flaking off the edges.
Not possible:
Adjusting different colour values (L a b values)
Coating of sheets with pattern milling exceeding 1 mm height (5WL, 6WL etc.)
Coating pre-punched sheets, or sheets with other cavities
Adjusting or hiding grinding, blasting or primary material defects
Deep-drawing coated sheets

Further processing
After coating, a UV resistant, laser-compatible film is applied. This permits further processing steps such as 3D forming, punching, chamfering, or bending, all w/o damaging the surface.

Applications
Architecture / facade construction
Shop/fair construction
Lifts
Kitchen technology
Miscellaneous