

# Glass-like coatings on stainless steel

## Principle

Spray coating, thermal densification at 400 – 600 °C, patent protected technology

## Properties

- Anti-fingerprint effect, easy to clean
- High scratch hardness and abrasion resistance (IEC test < 150 µm, 500 cycles Scotch Britt sponge without any scratch)
- High temperature tarnish protection (>1000 h at 400 °C)
- Stable against food, household cleaners (60°C) and artificial hand sweat (100 h)
- Anti stick effect against chalk and other deposits (exhaust gas) by planarization and smoothening of the surface
- Protection against acid attack and ion leaching in chemical reactors
- Incorporation of inorganic pigments and colouring are possible (new design for stainless steel).

## Application

- White goods, indoor architecture, exhaust recycling systems, reactors, heat exchangers, medical instruments
- Outdoor applications (e.g. sea climate)
- Also applicable on aluminium and non-ferrous metals.



*Stainless steel components with transparent glass coating - anti fingerprint, no staining, no corrosion, antimicrobial if desired*



## Benefits

- Invisible extremely durable protective coating, which eliminates all disadvantages of stainless steel surfaces without changing the optical appearance and the metallic touch, which is deformable elastically and – in a certain range - also plastically
- Reduction of cleaning effort for stainless steel surfaces
- Coating of three dimensional parts is possible
- Low coating thickness (4 – 8 µm), low material consumption.

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