

# Pigmented glass-like coatings for protection and decoration

## Principle

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

## Properties

- 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 hand sweat (100 h)
- Incorporation of sensitive pigments (e.g. Iridin) Pearl Gloss® pigments) is also possible
- Elastic deformation possible, much less brittle than classical enamel

## Application

- Abrasion resistant coatings for stainless steel, aluminum and brass
- in opposition to enamel: moldable, bendable, flexible replacement of anodization on Aluminum medical instruments, furniture, containers, tubing, analytical equipment and devices.



*Samples of Nanoseal® pigmented glass-like coatings on metals*

## Benefits

- New design for metal surfaces
- Shiny precious appearance through Pearl Gloss® pigments, combined with high durability
- Coating of complex shaped parts possible
- Low coating thickness (4 – 8 µm), low material consumption, low cost.

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