

Automotive: Heat resistance and durability of metal surfaces

Principle

Glass-like spray coating, thermal densification at 400 – 600 °C, patent protected technology

Properties

- High temperature tarnishing protection (>1000 h at 500 °C)
- High corrosion and creep protection (SS test >1000 h)
- High scratch hardness and abrasion resistance (IEC test < 150 µm, 500 cycles Scotch Britt sponge without any scratching)
- Protection against acid and leaching
- Colored, transparent and aluminum-look coatings, including various matte effects are possible
- Anti-fingerprint and anti-stick effect against dirt and exhaust gas
- Environmentally friendly, complies with REACH

Application

- Exhaust systems (e.g. end-pipes, mufflers)
- Decorative parts such as footboards and trims
- Polished and brushed surfaces
- Applicable on stainless steel aluminum, titanium, carbon
- Ideal to replace chrome plating, including black chrome



Stainless steel components with transparent glass coating –



Different colors from high glossy to matte



Invisible coatings of brushed and polished surfaces

Benefits

- Extremely durable protective coating which eliminates all disadvantages of non-protected stainless steel and aluminum.
- Transparent coating without changing the optical appearance and the metallic feel possible.
- Deformable elastically and – in a certain range – also plastically. Reduction of cleaning effort for metal and plastic surfaces.
- Coating of three dimensional parts is possible.
- Numerous colors and surface effects are available.

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