

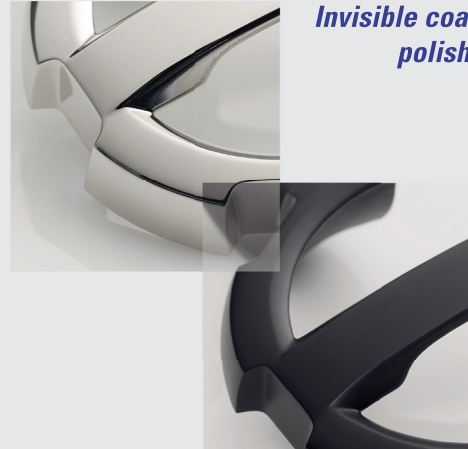
The revolution in aluminum protection: EPG nano-glass coating



EPG
Engineered
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*Aluminum components with transparent glass coating:
anti-fingerprint, heat resistant, no corrosion*



Invisible coating on high polished surfaces

Black matte coating

Principle

One-step spray coating process replaces anodizing. No costly pre-treatment required. Patent protected technology

Properties

- Applicable for high polished and structured surfaces
- Coating thickness of 5 – 10 µm with a metal look and metal touch effect
- Transparent or colored coatings possible
- High corrosion and creep protection (salt spray test > 1000 h on e.g. AlMg1, AlMg3, AlMg5)
- High pH stability (pH 1 - 14)
- High scratch hardness and abrasion resistance (IEC test < 240 µm, 500 cycles Scotch Brite 106 without any scratch)
- Protection against acid and leach
- Stability against fuel, diesel, engine oil, cleaning agents, solvents
- Weathering stability (VW PV 3929, 3930, 1500 h)
- Anti-fingerprint and anti-stick effect (anti-scaling)
- Environmentally friendly, complies with REACH

Application

- Automotive exterior parts: e.g. exhaust-pipes, step boards, trims, covers, tank caps and trunk sills
- Automotive interior parts: e.g. panels, switches, trims
- Sanitary facilities: e.g. shower cabinets
- Architecture: exterior facings, metal fittings, furniture, grips, covers, tables
- Household: iron sole, water kettle, kitchen equipment
- Polished and brushed surfaces
- Possible for anodized or not anodized aluminum surfaces

Benefits

- Invisible extremely durable protective coating, which eliminates all disadvantages of aluminum surfaces without changing the visual appearance and the metal touch effect.
- Reduction of cleaning effort for aluminum metal surfaces
- Simple process technology without a complex anodization pretreatment
- Numerous colors and surface effects are possible
- Coating of three dimensional parts possible

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