

## BLACK SUPERIOR

### High-Performance Black Technical Coating

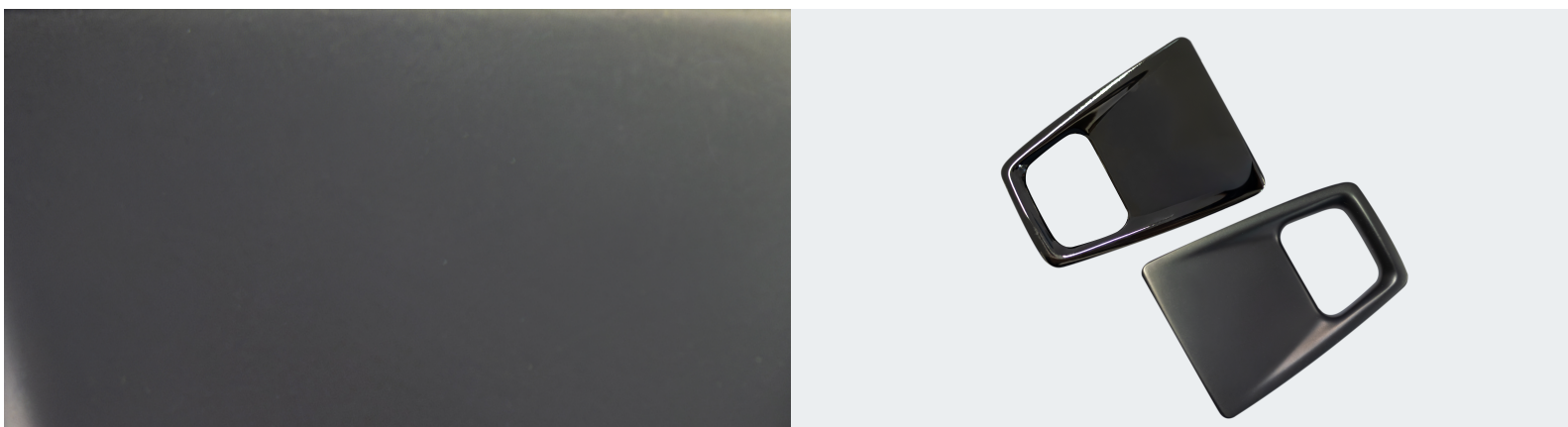
NeroSuperior is a **high-performance technical surface coating** developed by Eurogalvano, designed to provide **high corrosion resistance, surface hardness, aesthetic stability, and improved tribological properties.**

The treatment is suitable for both **functional and decorative applications** in advanced industrial and technical sectors.

### Technical Characteristics

#### Corrosion Resistance

- High protection against atmospheric and chemical agents
- Superior performance compared to many traditional black nickel coatings
- It does not require oiling or transparent protective varnishes but can also be painted glossy or matt.
- It is available in pearl versions (from 3Q7 to Classic Perla)
- Intrinsic stability of the coating  
(Salt spray resistance values available on request depending on the applied cycle.)



#### Surface Hardness

- 550–600 HV (as deposited)
- Up to 1000 HV with post-treatment
- High resistance to friction wear
- Increased component service life

#### Tribological Properties

- Reduction of the coefficient of friction
- Improved behavior under contact and sliding conditions
- Suitable for components subject to mechanical wear

#### Light Absorption

- Absorption of up to 98% of incident light
- High anti-reflective effect
- Suitable for optical and technical applications

#### Thermal Resistance

- Stability of protective and mechanical properties at elevated temperatures  
(Specific values available upon request depending on the substrate and coating thickness.)

## **Electrical Conductivity**

- Maintains good electrical conductivity
- Technical alternative to insulating paints or oxidative treatments
- Suitable for electronic housings and industrial components

## **Compliance and Safety**

- Low nickel release alternative (very low-release alloy)
- Compliant with 4MSI guidelines for contact with drinking water
- Process free from fluorides and ammonia

## **Coating Uniformity**

- Thin and controlled coating deposition
- High uniformity even on complex geometries
- Suitable for precision components
- Minimal impact on dimensional tolerances

## **Appearance and Finish**

- Color tone: from gunmetal gray to deep black
- Available finishes: glossy, satin, matte, pearlescent
- High color stability

## **Application Sectors**

- Automotive
- Technical components
- Optics and instrumentation
- Industrial electronics
- Sporting firearms
- Design and furniture
- Fashion
- Handles and hardware



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