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Deltacoll® Black is an intense black surface treatment with high corrosion resistance and low coating thickness. It consists of a black passivated electrolytic zinc layer coated with an inorganic black topcoat containing silicate and titanium and providing the uniform black shiny look. Because of the limited layer thickness and integrated lubricant, Deltacoll® Black is an ideal solution for (small) parts where tolerance is limited, such as screws, bolts, nuts, etc.



Deltacoll®
Black

Deltacoll® Black is the ideal surface treatment for small parts if you are looking for a black finish with very high corrosion resistance.

It consists of a black passivated electrolytic zinc layer covered by an inorganic topcoat based on silicon and titanium. Deltacoll® Black guarantees corrosion resistance exceeding 600 hours of salt-spray resistance. If the top layer is damaged,

the underlying zinc layer ensures cathodic protection.

In addition to silicon and titanium, the top layer contains a lubricant, so that when applied to fasteners (bolts, nuts, screws etc.) the assembly goes very smoothly.

It goes without saying that the surface treatment is completely free of hazardous substances and therefore meets the European directives, ELV and RoHS.

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■ Product characteristics

- Corrosion resistance:
> 600 hours of salt-spray testing DIN 50 021 at 7-11 µm.
- Appearance: shiny, black.
- Meets ELV (2000/53/EC) directive: free of Chromium, Cadmium, Nickel, Lead, Mercury and Molybdenum.
- Complies with RoHS (2002/95/EC).
- Suitable for small parts (to be treated in a drum).
- Protects against chemicals such as acids, bases, cleaning agents, oils etc.
- Low, constant friction coefficient: 0.09–0.14 µ.

Deltacoll®

On request Deltacoll® can also be applied as a colourless layer, with the same technical features as the black variety.