



2K water-based decorative topcoat

Technical Datasheet

AEROKrom FX is a waterborne decorative topcoat derived from the AEROKrom technology platform, combining high technical performance with a distinctive visual identity. Applied over the AEROKrom base layer, selected coloured synthetic fibres are post-sprayed onto the still-tacky surface, forming a fine, textured pattern that can be tuned from delicate tone-on-tone nuances to bold, contrasting speckled effects. By varying fibre colour, density and distribution, designers can replicate soft fabric-like or stone-chip aesthetics, or create completely bespoke multi-chromatic looks that coordinate with cabin trim and branding. Throughout, all key AEROKrom benefits are retained, including scratch and abrasion resistance, anti-burnishing behaviour, chemical resistance and self-healing of micro-scratches, ensuring long-term appearance retention even in high-traffic contact areas. The fully water-based, environmentally responsible system delivers durable protection together with a sophisticated tactile quality, enhancing the perceived value of aircraft interiors and other premium environments where design and performance must coexist.

Key features

- Fabric-like aesthetic
- Stone-chip visual effect
- Fine textured
- Scratch resistant
- Deep matte
- Waterborne

Application

AEROKrom FX can be applied directly to all substrates compatible with the AEROKrom platform, including metals, thermoplastic and thermosetting plastics, and composites. Before application, the surface should be pre-sanded with P240 to P400-grade paper, cleaned with compressed air, and degreased with isopropanol or another approved solvent. The product can be sprayed at 3–4 bar using a nozzle of at least 2.5 mm.

1. Mix the two components (base and hardener) stirring until the mixture is homogeneous, and dilute it with the opportune amount (max 5 w%) of tap water
2. On a dust-free AEROKrom application, spray a single layer of AEROKrom FX and let it dry.

Please note that excess of thickness could produce crackings on the surface. The quality of the application can be influenced by the equipment chosen and the temperature, humidity, and air flow (for spray application) of the application area. Thus, it is strongly suggested to run application trials to optimize performances and final appearance of the coating.

Technical data

Gloss level	≤ 2 GU below 60°
Theoretical Coverage (60 µm dry film thickness)	4-5 sqm/Kg
Pot Life (20 °C, 50% HR)	3-4 h
Drying time (50% HR)	
Dust free	30 min (20 °C), 15 min (60 °C)
Dry-to-sand	4 h (20 °C), 1 h (60 °C)
Dry-to-stack	24 h (20 °C), 2 h (60 °C)
Hardener ratio	25 weight %

Packaging

AEROKrom FX (A) : 1 Kg, 5 Kg, 10 Kg

AEROKrom FX (B) : 250 g, 1,5 Kg, 2,5 Kg

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