



2K anti-burnishing water-based clear coating

Technical Datasheet

AEROKrom X is a next-generation, water-based clear topcoat developed to reduce gloss and create a refined ultra-matt, low-reflective finish. Its environmentally friendly formulation helps lower VOC emissions, making it a strong fit for sustainable aviation maintenance and refurbishment programs. Applied over existing colours or directly onto glossy carbon fibre surfaces, it smooths minor surface irregularities and transforms high-sheen substrates into a uniform, elegant matte appearance. The coating is designed with self-healing and anti-burnish properties, so micro-scratches, handling marks and light rubbing do not noticeably increase gloss over time. It also offers excellent resistance to abrasion, scratching and common cleaning agents, which makes it ideal for demanding aircraft interior applications where both durability and appearance retention are essential. Easy to apply by roller or spray, AEROKrom X enables fast, controlled film build and consistent coverage on panels, trims, fittings and carbon fibre components, combining aesthetics, performance and environmental responsibility in one solution.

Key features

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|--------------------------|---------------------|----------------------------|
| ■ Anti-burnishing | ■ Deep matte | ■ Scratch resistant |
| ■ Self-healing | ■ Clear | ■ Water-based |

Application

AEROKrom X can be applied directly on metals, thermoplastic and thermosetting plastics, and composites, provided they are pre-sanded with P240 to P400 grade paper and cleaned with compressed air. It is also suitable for application over already painted surfaces and on glossy carbon fibre substrates. Before application, clean the surface with Scotch-Brite Red Type A very fine, remove dust using compressed air or a clean cloth, and degrease with isopropanol or another approved solvent. The product can be sprayed at 3–4 bar using a 1.2–1.5 mm nozzle. It may also be applied by brush or roller.

1. Mix the two components (base and hardener) stirring until the mixture is homogeneous, dilute it with the opportune amount (max 20 w%) of tap water and sieve it at 200-250 μm (60-70 mesh).
2. Apply a first layer of AEROKrom X by spray, brush or roller.
3. After drying, proceed with the cross coat application of a *second layer* by spray, brush or roller.

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	≤ 5 GU below 60°
Theoretical Coverage (60 µm dry film thickness)	5 - 6 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 X (A) : 1 Kg, 5 Kg, 10 Kg

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

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