



2K anti-burnishing water-based coating

Technical Datasheet

AEROKrom is a high-performance, two-component, water-based coating engineered for exceptional durability and a lasting deep matte finish. Its specialized formulation provides robust scratch and burnish resistance, effectively mitigating gloss increase from wear, rubbing, and scuffing. The product is conveniently used to impart a technical decorative effect on aircraft interiors, ensuring high levels of hardness, durability, abrasion, and chemical resistance. Moreover, AEROKrom's self-healing properties ensure prolonged aesthetic integrity. Specifically designed for the rigorous protection of interior aircraft surfaces exposed to sustained mechanical stress, this coating delivers premium aesthetic preservation and extended service life maintaining a very appealing matte effect over the time.

AEROKrom can be produced in all NCS and RAL colors along with tones precisely matched to AEROMatt colours.

Key features

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

Application

AEROKrom can be applied directly on most substrates, e.g. metals, thermoplastic or thermosetting plastics or composites pre-sanded with P240 to P400 grade paper and air blown cleaned. Some difficult plastic surfaces may also require the application of an opportune primer to be evaluated case by case.

The product can be sprayed at 3-4 bar spraying pressure using a 1,2-1,5 mm nozzle. It can also be conveniently applied using a brush or a 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 μ m (60-70 mesh).
2. Apply a first layer of AEROKrom (mixture A+B plus max 20 w% water).
3. After drying, proceed with the cross coat application of a *second layer* (mixture A+B plus max 20 w% water).

Please note that a non sufficient amount of product will result in a coarse to touch surface, while 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 A : 1 Kg, 5 Kg, 10 Kg

AEROKrom B : 250 g, 1,5 Kg, 2,5 Kg

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