



2K Water-based coating

Technical Datasheet

AEROMatt is a two components water-based coating featuring a soft-look “suede-like” finish. Due to diffuse scattering of the irradiated light, it also features a fully anti-glare effect. It is largely used to obtain ultra matt finishes on the surfaces where it is applied. The product is conveniently used to impart a functional decorative coating on aircraft interiors, especially for the parts where a very low gloss is required to avoid reflections. AEROMatt, moreover, guarantees high levels of hardness, durability, abrasion, scratch and chemical resistance and is environmental friendly. It is available in a number of different colors (AEROMatt colour cards) specifically designed to guarantee best performances in terms of surface appearance and matt visual effect. The product can be provided in pre-dosed kits comprising base and hardener to avoid any possible waste of unneeded material.

Key features

- Anti-glare effect
- Deep matt finish
- Soft touch
- Suede-like appearance
- Environmental friendly
- Water-based

Application

AEROMatt can be applied directly on most substrates, e.g. metals, thermoplastic or thermosetting plastics 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 should be applied at **3-4 bar spraying pressure** using a **1,2-1,5 mm nozzle**.

1. Mix the two components (base and hardener) until the mixture is homogeneous, dilute it with the opportune amount of tap water and sieve it at 200-250 μm (60-70 mesh).
2. First apply a single layer of *AEROMatt Basecoat* (mixture A+B plus max 20 w% water).
3. After drying, proceed with the application of *AEROMatt Topcoat* (mixture A+B plus max 20 w% water) in two cross coats with an interval of 1-2 hours (25 °C, 50% HR).

At the end of the application, the surface should result completely shining. The final matt effect will only develop when the coating is completely dry.

Please note that a non sufficient amount of product will result in a coarse to touch surface, while excess of thickness will produce crackings on the surface.

The quality of the application can be influenced by the spray equipment chosen and the temperature, humidity, and air flow 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	≤ 1,5 GU below 85°
Theoretical Coverage (60 µm dry film thickness)	3,5 - 4 sqm/l
Pot Life (20 °C, 50% HR)	180 min
Drying time (25 °C, 50% HR)	
Dust free	30 - 40 min
Dry to handle	4 - 5 hours
Fully cured	3 - 4 days
Hardener ratio Basecoat	8 weight %
Hardener ratio Topcoat	10 weight %

Packaging

KIT250: 250 g (A+B) Basecoat + 250 g (A+B) Topcoat

KIT500: 500 g (A+B) Basecoat + 500 g (A+B) Topcoat

Basecoat A : 1 Kg, 5 Kg, 10 Kg

Basecoat B : 0,5 Kg, 1 Kg

Topcoat A : 1 Kg, 5 Kg, 10 Kg

Topcoat B : 0,5 Kg, 1 Kg

The information provided in this data sheet is based on the best of our knowledge but we cannot control the characteristics of the substrates or the different parameters affecting the application of the product. Therefore, revision by the user with regard to the intended purpose is mandatory. No liability is accepted for the final performance of the product or for any loss or damage arising out of the use of the product. For further information please refer to our General Terms and Conditions of Sale available upon request.

