Spray2Fix Eclipse® Topcoat

Technical Data Sheet

Product Group

Polyurethane topcoat

Characteristics

Product Information

- Aerosol Spray Can Application Eclipse Topcoat.
- In order to facilitate aircraft processing in either the OEM or maintenance sector, AkzoNobel Aerospace Coating's OEM approved Eclipse® topcoat has been packaged to provide convenient aerosol can application. Ideal for touch-up, minor processing defects may be repaired quickly and easily with a localized procedure. The color description is provided on the individual container.

Surface Preparation

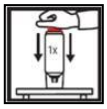
Cleaning

- Surface pretreatment is an essential part of the painting process.
- See Eclipse® process standard for detailed instructions for surface preparation and AkzoNobel Aerospace Coatings' primer choices.

Instruction for Use

Activate

To Activate	Remove the red button from the over cap and attach to the plastic pin at the bottom of the aerosol. Place aerosol upright on a flat surface and push down to break the inner seal.



Activation Test	Remove red button from the bottom of the aerosol and push plastic pin with thumb, the pin should now move easily.

Induction Time

Turn the can upside down and shake for 2 - 3 minutes after activation and prior to each use to thoroughly mix catalyst and paint.

15 minutes

Pot life (25ºC/77ºF)

2 - 3 hours at 77ºF (25ºC), and 50±5% RH.

AkzoNobel Aerospace Coatings
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Internet: www.akzonobel.com/aerospace

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Dry Film Thickness (DFT)	51-76 micron (µm) 2-3 mils - Note: Some colors may require increased film thickness (3 or more coats) to achieve acceptable hide.

Application Recommendations

Conditions	Temperature:	15 – 35°C 59 – 95°F
	Relative Humidity:	35 – 75%
Note	The quality of the application of all coatings will be influenced by the spray equipment chosen and the temperature, humidity, and air flow of the paint application area. When applying the product for the first time, it is recommended that test panels be prepared in order to identify the best equipment settings to be used in optimizing the performance and appearance of the coating.	
Application	Flash time: Recoat window	30 - 45 minutes 30 - 120 minutes
Application method	After activation and shaking, spray in the nomal fashion. Distance from the surface should be about 8 to 10 inches. You will note that the delivery of material is faster than a normal aerosol, and that the fan is larger. Both features are designed to make the application similar to that of a spray gun.	
Cleaning nozzle	Invert the aerosol and spray until clear.	
Number of Coats	2 – 3 applications	

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Physical Properties

Drying Times (25 +/- 2ºC / 77 +/- 2ºF, 55 +/- 5% RH)	Dry to dust Dry to tape Full cure	2 hrs 6 – 7 hrs 7 days
Theoretical Coverage	10 – 15 ft^2 / Aerosol @ 2 mil.	
VOC not applicable to aerosols. Alternative regulations based on reactivity method of calculating emissions	**Regulation for Reducing the Ozone Formed from Aerosol Coating Product Emissions by California Air Resources Board (CARB):** Aviation Primer Product-Weighted MIR Limit: 2.05 g O_3/g **National Volatile Organic Compound Emission Standards for Aerosol Coatings, EPA:** Aviation Primer Product-Weighted Reactivity Limit: 2.05 g O_3/g	Complies Complies
Gloss (60º)	90 minimum @ 60° GU	
Color	As required	
Flash-point	See MSDS for specific color	
Storage	Store the product dry and at a temperature between 5 and 38ºC / 40 and 100ºF per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Storage temperature may vary per OEM specification requirements. Refer to container label for specific storage life information.	
Shelf life 5 - 38°C (40 - 100°F)	18 months per AkzoNobel Aerospace Coatings commercial specification. Shelf life may vary due to OEM specification requirements. Refer to container label for specific shelf life information.	

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Safety Precautions	Comply with all local safety, disposal and transportation regulations. Check the Material Safety Data Sheet (MSDS) and label of the individual products carefully before using the products. The MSDS's are available on request.

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