Spray2Fix 58 Series

Technical Data Sheet

Product Group

Defense Coating – Polyurethane topcoat

Characteristics

Product Information

- Aerosol Spray Can Application 58 Series Military Aircraft Camouflage Topcoat.
- This two component high solids polyurethane finish is formulated for application to military aircraft, and is designed to provide maximum protection from various chemicals, hydraulic fluids, aviation fuels, and corrosion causing media.
- These components are packaged in 250 ml and 400 ml aerosol containers for ease of use as a touch-up and repair product.
- Available in gloss, semi-gloss, and camouflage appearance. This product line provides excellent performance with regard to cleanability, mar resistance and surface smoothness in all gloss ranges

Specifications

Qualified Product List

AkzoNobel Aerospace Coatings	Certification
US Military	MIL-PRF-85285, TY I, Class H

For most recent up-date or missing specifications please check the qualified product list (QPL) on **www.akzonobel.com/aerospace**

Surface Conditions

Cleaning

- Observe the recoat time parameters of the relevant primer and applicable specifications.
- Remove oil, grease and other contaminants prior to application of the finish.
- Recondition aged primers or topcoats with Scotch-Brite® Type A, very fine, achieving a uniform matt surface.
- Remove dust with tack rags prior to application of the finish.
- The product is compatible with the following primers:

  10P20-13, MIL-PRF-23377, TY I, Class C
  10P20-14, MIL-PRF-23377, Ty II, Class C
  10P20-12, DMS 2104
  Aviox® CF Primer 37124, AIMS 04-04-036

AkzoNobel Aerospace Coatings
1 East Water Street, Waukegan, IL 60085, USA - Phone (847) 623 4200, Fax (847) 625 3200
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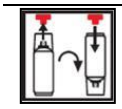
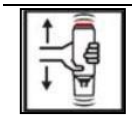
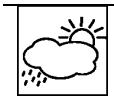
Instruction for Use

 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 can upside down. Shake the aerosol vigorously for 2 - 3 minutes after activation to thoroughly mix catalyst. Induct for 30 minutes. If aerosol is left unused, shake vigorously again prior to each use, then apply.	
 Pot life (25ºC/77ºF)	48 hours at 77ºF (25ºC), and 50 ± 5% RH.	
 Dry Film Thickness (DFT)	45 – 55 micron (µm) 1.8 – 2.2 mils	

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.	

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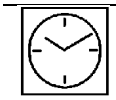
 Application method	After activation and induction, spray in a normal fashion. You will note that the delivery of material is faster than a normal aerosol, and that the fan is larger. Both features are designed to make the application similar to that of a spray gun.
 Cleaning nozzle	Invert the aerosol and spray until clear.

Physical Properties

 Drying Times (25 +/- 2ºC / 77 +/- 2ºF, 55 +/- 5% RH)	Dry to touch	4 hrs
	Dry to tape, gloss	10-12 hrs
	Dry to tape, semi-gloss	8 hrs
	Dry to tape, flat	6 hrs
 Theoretical Coverage	13.2 – 10.8 ft²/ Aerosol @ 1.8 – 2.2 mil	
 Dry Film Weight	32.41 g/m^2/ 25.4 micron 0.00664 lbs/ft^2/ 1 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	Complies
	National Volatile Organic Compound Emission Standards for Aerosol Coatings, EPA: Aviation Primer Product-Weighted Reactivity Limit: 2.05 g O_3/g	Complies
 Gloss (60º)	90 GU minimum	646-58 Series
	15-45 GU	656-58 Series
	5 GU maximum	666-58 Series

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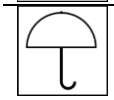
 Color	Per Fed Std 595B-XXXXX
 Flash-point	58 Series Aerosol -16ºC / 1ºF
 Storage	Store the product dry and at a temperature between 5 and 38ºC / 40 and 100ºF per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Storage temperature may vary per OEM specification requirements. 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.
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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