

Spray2Fix Aerodur[®] 5000

Technical Data Sheet

Product Group

Defense Coating

Characteristics



Product
Information

Aerosol Spray Can Application

Aerodur[®] 5000 (ECM-F Series) is a 2-component polyurethane military aircraft camouflage finish for exterior use. These components are packaged in a 250 ml aerosol container for ease of use as a touch-up and repair product.

- Excellent durability and weathering
- Superior combination of fluid resistance and flexibility
- Excellent cleanability
- Unique curing mechanism which allows a 24 hrs fly-away time for the aircraft*

*When cured at 70°F (21°C) – 77°F (25°C) and defined as resistance to 25 double rubs MEK.

Specifications



Qualified
Product List

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

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

Surface Conditions



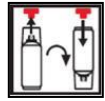
Cleaning

- 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

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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.



Activation Test

Place aerosol upright on a flat surface and push down to break the inner seal.

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
(25°C/77°F)

24 hours at 77°F (25°C), 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 +/- 2°C / 77
+/- 2°F, 55 +/-
5% RH)

Fly away time*

Dry to dust	3 - 4 hrs
Dry to tape	6 hrs
Fly away time*	24 hours
Minimum recoat	30 minutes
Maximum recoat	48 hours (with no reactivation)

*When cured at 70°F – 77°F (21°C – 25°C)



Theoretical
Coverage

7.4 – 6.0 ft²/ 250ml Aerosol @ 1.8 – 2.2 mil



Dry Film Weight

34.06 g/m²/ 25.4 micron
0.00698 lbs/ft²/ 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 O₃/g Complies

National Volatile Organic Compound Emission Standards for Aerosol Coatings, EPA:

Aviation Primer Product-Weighted Reactivity Limit: 2.05 g O₃/g Complies

Spray2Fix Aerodur® 5000

	Gloss (60°)	<5 GU / <9 GU
	Color	Per Fed Std 595B-3XXXX
	Flash-point	Aerodur® 5000 (ECM-F-XXXXSC) -16°C / 1°F
	Storage	Store the product dry and at a temperature between 5 and 38°C / 40 and 100°F 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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IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given is subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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