


Aeroflex Finish G12E25

Technical Data Sheet

Product Group

Characteristics




Product Information

Components




Specifications




Qualified Product List

Surface Conditions



Surface Preparation/
Cleaning

Instruction for Use




Spray Application (Mix Ratio)



Note



Initial Spraying Viscosity
(23°C/73°F)



Note

Wing Coating

Aeroflex® Finish G 12 E 25 is one-component corrosion inhibiting topcoat for in-spar areas of the wing.

- Fast-drying.
- Aluminum pigmented.
- Rain erosion resistance.

Base	Aeroflex® Finish G 12 E 25
Thinner	Thinner C 25/90 S
Thinner	Thinner 96184 (warm conditions)

Airbus	AIMS 04-04-017
Airbus	TN A.007.10129

Product specifications change constantly, to ensure the most accurate information regarding specifications, please check our online qualified product list (QPL) at aerospace.akzonobel.com/products.

Observe the re-coatability limits of the relevant primer.

- Remove oil, grease and other contaminations prior to application of the finish.
- Clean existing, aged coats of Aeroflex® Finish G 12 E 25 with mild cleaning solvent, e.g. Degreaser C 3/41 or Thinner M600.

	Volume
Aeroflex® Finish G 12 E 25	100 parts
Thinner*	20 parts

* Thinner options: Thinner C 25/90 S, Thinner 96184 (warm conditions)

Reduce to spraying viscosity with:
Max. 20 parts Thinner C 25/90 S or Thinner 96184

- Allow products to acclimatize to room temperature before use.
- Stir or shake Aerodur® Metallic till all pigment is uniformly dispersed.
- Material is supplied at application viscosity for airless equipment, pressure pot and rollers
- For suction and gravity fed spray guns it is recommended to thin down the material with approx. 20 parts (volume) thinner.



Not Applicable

85 – 130 seconds ISO Cup #4






(45 – 60 seconds)*
*Values for suction and gravity fed spray guns are given between brackets.

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Viscosity measurements are provided as guidelines only and are not to be used as quality control parameters. Certified information is provided by certification documentation available on request.

	Pot life (23°C/73°F)	Not applicable.
	Dry Film Thickness (DFT)	70 – 80 µm 2.8 – 3.1 mils




Application Recommendations

	Conditions	Temperature: 15 – 35 °C 59 – 95 °F Relative Humidity: 35 – 75 %
	Note	Aeroflex® Finish G 12 E 25 may be applied in conditions outside of the limits shown above. Care must be exercised to ensure a satisfactory result. Please contact your local AkzoNobel Aerospace Coatings representative to determine the proper application techniques and choice of thinner when environmental conditions fall outside of the recommended range.
	Equipment Recommendation	Air 1.8 mm nozzle orifice Airless 6.13, (.013 inch) angle 60°
	Cleaning of Equipment	Solvent Cleaning C 28/15 or Solvent Cleaning 98068.
	Note	The quality of the application of all coatings will be influenced by the spray equipment chosen and the temperature, humidity, and airflow 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 the appearance of the coating.

Physical Properties

	Drying Times	23°C/73°F, 55% RH
	Dust Free	30 minutes
	Dry Hard	2 hours
	Dry Through	24 hours
	Theoretical Coverage	2 m² per liter base at 70 µm dry film thickness. 80 ft² per US gallon base at 2.8 mils dry film thickness.
	Dry Film Weight	1.6 g/m²/µm 0.0083 lbs./ft²/mil
	Gloss (60°)	10 – 40 GU

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	Color	Aluminum	
	Flash Point	Aeroflex® Finish G 12 E 25	<21°C / 70°F
		Thinner C 25/90 S	<21°C / 70°F
		Thinner 96184 (warm conditions)	<21°C / 70°F
	Storage	Store the product dry and at a temperature between 5 and 35°C / 41 and 95°F per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Storage temperature and shelf life may vary per OEM specification requirements. Refer to the container label for specific storage life information.	
	Shelf life 5 - 35°C (41 - 95°F)	Aeroflex® Finish G 12 E 25	18 months
		Thinner C 25/90 S	36 months
		Thinner 96184 (warm conditions)	36 months

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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Revision date: July 2025 (supersedes October 2020) - FOR PROFESSIONAL USE ONLY

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. Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel