

Aerodur CF 8900

Aluminum Lipskin Coating

Technical Data Sheet

Product Group

High heat coating

Characteristics



Product
Information

This specialty coating is designed for use on the leading edges of aluminum alloy nose cowl inlets. It is formulated for cosmetic touch up on air inlet lipskin.

Components



Curing Solution
Thinner

Curing Solution: CS 6041
Thinner: 98064

Specifications



Qualified
Product List

Airbus AIMS 04-04-072

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

Surface Conditions



Cleaning

Surface pretreatment is an essential part of the painting process

METAFLEX 1050 Method apply/wipe off:

- Degrease the substrate with Cleaning Solvent 98068
- Apply one wet layer of Metaflex using the spray bottle; wait 3 min
- Firmly wipe off the dirt from the surface using a cloth
- Apply a 2nd wet layer of Metaflex and wait 3 min
- Gently wipe the surface with a cloth to remove the soap
- Leave it dry between 45min and 1h
- Apply the paint directly on the top

Substrate

Alodine or chromic and sulphuric acid anodized surfaces

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Instruction for Use

	Mixing Ratio (volume)	3 parts 1 part 1 part	Base Aerodur CF 8900 Curing Solution 6041 Thinner 98064
	Induction Time	15-30 minutes	
	Initial Spraying Viscosity (25°C/77°F)	15-17 seconds Zahn-Cup #2 27-33 seconds Zahn-Cup #1 27-35 seconds ISO cup #3	
	Note	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 (25°C/77°F)	4 hours	
	Dry Film Thickness (DFT)	12 – 18 µm 0.5 – 0.7 mils	

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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.



Equipment

Air	Nozzle orifice 1.4 mm (0.055")
Atomizing air pressure	45 - 60 psi
Fluid pressure	6 psi



Number of Coats

Spray one uniform wet coat



Cleaning of Equipment

Solvent Cleaning C 28/15 or Solvent Cleaning 98068

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Physical Properties

	Drying Times (25 +/- 2°C / 77 +/- 2°F, 55 +/- 5% RH)	Dry to touch 15 – 30 minutes Dry to recoat 1 – 2 hours Full cure 7 days
	Theoretical Coverage	7.3 m² per liter ready to apply at 25 µm dry film thickness 299 ft² per US gallon ready to apply at 1 mil dry film thickness
	Dry Film Weight	40 g/m²/25 µm .008 lbs/ft²/1mil
	Volatile Organic Compounds	Max 700 g/l Max 5.8 lb/gal
	Heat Resistance	Continuous operation at 300°F (149°C) Intermittent Peak Temperature of 350°F (177°C) Some discoloration will take place, but film integrity is maintained.
	Gloss (60°)	< 15 GU
	Color	Aluminum
	Flash-point	Aerodur CF 8900 <-4°C / 25°F CS 6041 12°C / 54°F 98064 > 21°C / 70°F

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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 for Aerodur CF 8900 and CS 6041 36 months for 98064. 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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