



Product Group

Waterborne interior cabin coating

Characteristics



Product
Information

- This flexible, one-component, pre-reacted polyurethane coating is designed for use on aircraft interior decorative surfaces, such as metal, wood, epoxy or polyester fiberglass. It is dispersed in water and will provide many of the properties of a two-component polyurethane. This product can be air or force dried. It can be used with most solvent system primers. Being a pre-reacted system, there are no free isocyanates and it has a very low VOC. This system provides excellent water and solvent resistance properties.

Components



One
component

Base: 900XWXXX

Specifications



Qualified Product
List

BAE Systems (Regional Aircraft)	AVP 3-032
Boeing	BMS 10-83, Ty I (9001W100 only)
Dutch Defence	KN 00031 CI II
Ilyushin	1756.18.394-200
KLM	Engineering Report #3F-96-061
South African Airways	SAA Interior
UK Ministry of Defence	AFS 2324
VIAM	TR 9-5.09-95

The complete AkzoNobel Aerospace Coatings qualified product list (QPL) can be found at: www.akzonobel.com/aerospace

Surface Conditions



Cleaning

- Surface pretreatment is an essential part of the painting process.
- Plastic surfaces should be cleaned by scrubbing with water and an alkaline cleaner or detergent, then rinsing well with clean water. Scouring cleanser (Comet[®], Ajax[®], etc.) can be used where heavy soils exist. Alcohol or naphtha can be used as a final wipe down after the wash if desired.



Surface Conditions



Cleaning
Continued

- Due to the composition of some substrates, such as Tedlar[®], a modified procedure is required in order to achieve proper adhesion. TR-126 solvent wipe is required following the procedure noted.
 - Saturate clean cloth with Aerodex[®] Prewipe TR-126
 - Wipe across substrate
 - Abrade with Scotch-Brite[®]
 - Wipe panel dry with clean cloth
 - Apply Aerodex[®] WB within one hour
- Use protective gloves when using Aerodex[®] WB Prewipe TR-126
- Composite substrates may be primed with Boeing approved BMS 10-83, Ty I primer, 9001W100.



Note

Metal substrates should be primed with a corrosion resistant primer. Please contact an AkzoNobel Aerospace Coatings representative for the proper recommendation.

Instruction for Use



Mixing Ratio
(volume)

- Shake material thoroughly then apply as required. Aerodex may be reduced with water if needed (10% by volume, maximum) however; best coverage is achieved without reduction.



Induction Time

None



Initial Spraying
Viscosity
(25°C/77°F)


13 – 26 seconds EZ Zahn-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)	Indefinite - must be covered to prevent "skinning".
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	Dry Film Thickness (DFT)	38 – 51 micron (µm) 1.5 – 2.0 mils
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Application Recommendations

	Conditions	Temperature: 15 – 35°C 59 – 95°F Relative Humidity: 35 – 75%
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	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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	Equipment	Any standard suction, pressure pot or airless spray may be used.
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	Number of coats	Spray a uniform wet cross coat to recommended dry film thickness. Product can be touched-up by sanding, solvent wiping and spraying area.
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	Cleaning of Equipment	Clean promptly with warm water followed by TR-19 or MEK.
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Physical Properties

	Drying Times (25 +/- 2°C / 77 +/- 2°F, 55 +/- 5% RH)	Dry to touch 30 minutes Dry through 1-1.5 hours
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	Theoretical Coverage	14.4 m ² /liter as applied at 25µ dry film thickness 587 ft ² /US gallon as applied at 1.0 mil dry film thickness
	Dry Film Weight	44.5 g/m ² /25 micron (white colors) 0.009 lbs/ft ² /1.0 mil
	Volatile Organic Compounds	Max 250 – 300 g/l Max 2.1 – 2.5 lb/gal
	Gloss (60°)	Semigloss 10-30 GU Matt <10 GU
	Color	As required
	Flash-point	900XWXXXX 63°C / 145°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)	24 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 MSDSs 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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