

24F40 Series

Polyurethane Topcoat

Technical Data Sheet

Product Group

Polyurethane Topcoat

Characteristics



Product
Information

- This two-component chemically cured topcoat is designed to provide outstanding resistance to weathering, resulting in maximum gloss and color retention.
- This formulation has been balanced to provide flexibility with impact resistance, and to minimize splitting at seams and fasteners. The 24F40 Series topcoat can be used with AkzoNobel Aerospace Coatings exterior primer systems, chosen for specific environment requirements and substrate materials.

Components



Curing Solution

Curing Solution PC-400

Specifications



Qualified
Product List

Boeing Long Beach
Bombardier

DMS 2143, TY I, CL I, Comp C
BAMS 565-009, Ty II, CI A, Gr B

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.

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Instruction for Use

	Mixing Ratio (volume)	2 parts 1 part	Base 24F40 Series Curing Solution PC-400
		<ul style="list-style-type: none">- Stir or Shake until all pigment is uniformly dispersed before adding curing solution.- Stir the catalyzed mixture thoroughly.	
	Induction Time	None	
	Initial Spraying Viscosity (25°C/77°F)	15-20 seconds Zahn Cup 2	
	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)	50 ± 12 microns 2 ± 0.5 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

Any standard suction, pressure, airless or electrostatic spray equipment.



Number of
Coats

Spray a uniform cross coat. Allow to flash-off for 15-45 minutes, depending on temperature and other conditions. Apply a final cross coat to recommended dry film thickness










Cleaning of
Equipment

Use TR-15 for cleanup of electrostatic equipment, and/or TR-19 for other spray equipment. These balanced thinners will minimize the possibility of residue remaining on the equipment. Environmentally compliant thinners are also available.

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Physical Properties

	Drying Times (25 +/- 2°C / 77 +/- 2°F, 55 +/- 5% RH)	Dry to Tape	6-7 hours at 90°F (32°C) 8-11 hours at 77°F (23°C)/50%RH
	Theoretical Coverage	19.7 m ² per liter ready to apply at 25 µm dry film thickness 800 ft ² per US gallon ready to apply at 1 mil dry film thickness	
	Dry Film Weight	40.6 g/m ² /25 micron .008 lbs/ft ² /1 mil	
	Volatile Organic Compounds	Max 420 g/l Max 3.5 lb/gal	
	Gloss (60°)	90+ GU	
	Color	24F40-17 24F40-16 24F40-106	DN 9374 White DN 7622 White DN 3635 Gray
	Flash-point	24F40 Series PC-400	-5°C / 23°F 27°C / 81°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)

12 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.

Issue date: January 2015 (supersedes December 2009) - 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.

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