

22/23 Series Technical Data Sheet

Product Group	Epoxy topcoat		
Characteristics Product Information	The 22/23 Series product is a chemically cured two-component epoxy topcoat designed to provide maximum protection from various chemicals, hydraulic fluids, aviation fuels, phosphate ester (Skydrol ^{®)} fluids and corrosion causing media. This high solids technology meets VOC requirements of SCAQMD Rule 1124.		
Components	Base material Curing Solution	22/23 Series Base Gloss Curing Solution X-530 Semi-gloss Curing Solution EC-263 Flat Curing Solution EC-264	
Specifications Qualified Product List	Boeing EADS (CASA) Goodrich	BMS 10-11, Ty II, CI B, Gr D Z-12.361/BMS 10-11, Ty II, CI B EMS 93284 C CI A (AiResearch Los Angeles Div.) (22 series / color specific)	
	Product specifications are constantly changing, to ensure the most accurate information regarding specifications, please check our online qualified product list (QPL) at aerospace.akzonobel.com/products.		
Surface Conditions	 Surface pretreatment is an essential part of the painting process. Follow the specification requirements for cleaning and pretreatment application. 		

AkzoNobel Aerospace Coatings

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¹ East Water Street, Waukegan, IL 60085, USA - Phone (847) 623 4200



Instruction for Use

	Mixing Ratio (volume)	<u>Gloss</u> Base 446-22 Series Curing Solution X-530	3 parts 1 part
		<u>Semi-gloss</u> Base 456-23 Series Curing Solution EC-263	1 part 1 part
		<u>Flat</u> Base 466-23 Series Curing Solution EC-264	1 part 1 part
			ponent until all pigment is uniformly dispersed. atalyzed mixture again thoroughly
and the second s	Note		agitation itself <u>BEFORE</u> mixing with the base osition) in order to achieve a homogenous
	Induction Time	15 minutes.	
∏ s	Initial Spraying Viscosity (25ºC/77ºF)	15 – 25 seconds Gardner S 17 - 35 seconds Zahn-Cup 2 22 – 38 seconds ISO-Cup 4 22 ± 6 seconds Ford -Cup 4	2
and	Note	-	e provided as guidelines only and are not to be used as . Certified information is provided by certification request.

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Pot life (25°C/77°F) 4 Hours

25 – 37 µm

1.0 – 1.5 mils



Dry Film Thickness

Application Recommendations

(DFT)

Ĩ	Conditions	Temperature:	15-35°C 59-95°F
		Relative Humidity:	35-75%
цаў	Note	22/23 Series may be applied in conditions outside the limits shown above. Care must be exercised to ensure a satisfactory result. Please contact your local AkzoNobel Aerospace Coatings representative to determine the appropriate application techniques when environmental conditions fall outside of the recommended range.	
	Recommended Equipment		6-8 psi
	Number of Coats	Spray a single wet c wet coat.	oat. Allow a 15 minute solvent flash and apply a second

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Cleaning of Equipment

Note

Use TR-19 or MEK.

and

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 to identify the best equipment settings to be used in optimizing the performance and appearance of the coating.

Physical Properties

	Drying Times (25ºC / 77ºF, 55% RH)	Dust Free Tack Free Dry Through	30 minutes 3 hours 6 hours
M ²	Theoretical Coverage		d on 50% transfer efficiency. 50% transfer efficiency.
	Dry Film Weight	3.5 lbs/gal (420 g/l) r	max. per US calculations.
voc	Volatile Organic Compounds	Maximum 420 g/l Maximum 3.5 lbs/ga	I
O U	Gloss (60º)	446-22 Series 456-23 Series 466-23 Series	90 gloss units minimum 20-40 gloss units 14 gloss units maximum
3	Color	As Required.	

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٢	Flash-point	See MSDS for specific component flash-point.
\Box	Storage	Store the product dry and at a temperature between 5 and 38°C / 41 and 100°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 container label for specific storage life information.
	Shelf life 5 - 38°C (41 - 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.
leave date:	lam	And December 2010) FOR PROFESSIONAL LISE ONLY

Issue date: January 2023 (supersedes December 2019) - 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.

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