

Technical Data Sheet

Product Group	Epoxy Topcoat		
Characteristics Product Information	 A two-component, chemically cured epoxy topcoat designed to provide chemical resistance coupled with sufficient flexibility to minimize chipping and flaking. This epoxy topcoat can be used with various primers. Normally military specification primers MIL-P-85582, MIL-PRF-23377 or MIL-P-53022 are recommended. 		
Components Curing Solution	Gloss Curing Solutio Semi-gloss and Flat		
Specifications Qualified Product List		SMI 70 132-1 MIL-PRF-22750 ate or missing specifications please check the (QPL) on www.akzonobel.com/aerospace	
Surface Conditions Cleaning	 Surface pretreatment is an essential part of the painting process. Follow the specification requirements for cleaning and pretreatment application. 		
Instruction for Use			
Mixing Ratio (volume)	3 parts 1 part	Gloss Base 422X Series Curing Solution 0200T129	
	3 parts 1 part	Semi-gloss and Flat Base 422X Series Curing Solution 0200T126	
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	 Stir or Shake until all pigment is uniformly dispersed before adding curing solution. Stir the catalyzed mixture thoroughly. 		
Induction Time	30 minutes		
Initial Spraying Viscosity (25°C/77°F)	50 seconds maximum (#4 Ford 75 seconds maximum (#4 Ford		
	specifications, and provided on	osity are requirements of the referenced ly as a reference for field application. They trol values. Actual values will vary when ditions (25°C/77°F)	
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)	1.8 – 2.2 mils 46 – 56 microns		
Application Recommendations			
Conditions	Temperature: Relative Humidity:	15 – 35°C 59 – 95°F 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.		
Equipment	Standard suction, pressure, HVLP or airless spray		
Number of Coats	Spray a uniform wet coat. Flash 10-15 minutes, then apply a second wet coat to recommended dry film thickness.		
Cleaning of Equipment	Use TR-19 for cleanup. This balanced thinner will minimize the possibility of residue remaining on the equipment.		
Physical Properties			
Drying Times (25 +/- 2°C / 77 +/- 2°F, 55 +/- 5% RH)	Dry to touch Dry to tape Full cure <u>Accelerated Cure</u> Dry to tape / handle Full Cure	3 hours 8 hours 14 days 2 hour flash off at ambient, then 20 – 30 minutes at 140°F (60°C) 24 hour flash off at ambient, then 24 hours @ 150°F (65.5°C)	

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Note	 CAUTION: The accelerated cure for dry to tape / handle may cause a slight variation to color and/or gloss in some topcoats. Light colors, e.g., white and off white, in the semi gloss range could be affected. NOTE: The cure required will vary due to the efficiency of the oven being used (evacuating the solvent heavy air) and the amount of air movement in the oven. The customer should run tests to verify the required cure schedule.
M ² Theoretical Coverage	20.3 – 22.1 m ² per liter ready to apply at 25 μ m dry film thickness 825 – 900 ft ² per US gallon ready to apply at 1 mil dry film thickness
Dry Film Weight	
VOlatile Organic Compounds	Max 340 g/l Max. 2.8 lb/gal
Gloss (60°)	Gloss 90+ 422XT1XXXXX* / 0200T129 Semi-gloss 15 to 30 422XT2XXXXX* / 0200T126 Camouflage 5 maximum (9 maximum 85°) 422XT3XXXXX* / 0200T126 *Last 5 digits refer to 595B Federal Standard Color

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	As required:		
Color			
	595-16492		
	595-17178		
	595-36231		
	595-37038		
	595-17925		
Flash-point	422X Series	-4°C / 25°F	
	0200T126	27°C / 80°F	
	0200T129	36°C / 97°F	
	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	24 months per AkzoNobel Aerospace Coatings commercial specification.		
5 - 38°C	Shelf life may vary due to OEM specification requirements. Refer to		
(40 - 100°F)	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 mostlication 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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