# **Technical Data Sheet**

### **Product Group**

## Epoxy Top Coat

### Characteristics



Product Information

Components



Base Curing Solution

> Curing Solution Curing Solution

Air France

**US Military** 

422X Series Curing Solution 0200T126 Curing Solution 0200T129 Curing Solution 0200T126C

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

### Specifications



Qualified Product List

#### **Surface Conditions**



Surface Preparation/

SMI 70 043 MIL-PRF-22750,TYII CLH GRA

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 pretreatment is an essential part of the painting process.

- Follow the specification requirements for cleaning and pretreatment application.

specification primers MIL-P-85582, MIL-PRF-23377 or MIL-P-53022 are recommended.

#### Instruction for Use



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Spray Application (Mix Ratio	)
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Spray Application (Mix Ratio)			Volume
	422X Serie	es	3 parts
	Curing So	lution 0200T126	1 part
	Curing So	lution 0200T129	1 part
	Curing So	lution 0200T126C	1 part
		ng Solution: 0200T129 and Flat Curing Solution: 0200T126 & 0200T126C	
	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 / 0200T126C	
	- Stir or sha adding th	ducts to acclimatize to room temperature before use. ake the base component until all pigment is uniformly e curing solution. uring solution and stir the catalyzed mixture thorough	
		ds to the curing solution, C version means that it is e non C version meets the performance requirements	
Induction Time	30 minutes		
Initial Spraying Viscosity ()	(25°C/77°F	)	
		s maximum (#4 Ford) admixed s maximum (#4 Ford) at pot life	
	reference f	of Ford Cups for viscosity are requirements of the or field application. They are not provided as quality standard conditions (25°C/77°F).	
Note	Certified inf	neasurements are provided as guidelines only and formation is provided by documentation available on request.	are not to be used as quality control parameters.
Pot life (25°C/77°F)	4 hours		
Dry Film Thickness (DFT)	46 – 56 μm 1.8 – 2.2 m		

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### **Application Recommendations**

Conditions	Temperature:	15 – 35 °C 59 – 95 °F
140	Relative Humidity:	35 – 75 %
Note	humidity, and airflow of the paint application	s will be influenced by the spray equipment chosen and the temperature, on area. When applying the product for the first time, it is recommended o identify the best equipment settings to be used in optimizing the
Equipment Recommendation	Standard suction, pressure, HVLP or airles	s spray.
Cleaning of Equipment	Use TR-19 for cleanup. This balanced thinr	ner will minimize the possibility of residue remaining on the equipment.

### **Physical Properties**

Drying Times		25°C/77°F, 55% RH
	Dry to Touch	3 hours
	Dry to Tape	8 hours
	Full Cure	14 days
		r flash off at ambient, then 20 – 30 minutes at 140°F (60°C). our flash off at ambient, then 24 hours @ 150°F (65.5°C).
Note		ed cure for dry to tape/handle may cause a slight variation to color and/or gloss in some . white and off white, in the semi-gloss range could be affected.
		ry due to the efficiency of the oven being used (evacuating the solvent heavy air) and the n the oven. The customer should run tests to verify the required cure schedule.
M <sup>2</sup> Theoretical Coverage		ady to apply at 25 μm dry film thickness. n ready to apply at 1 mil dry film thickness.
Dry Film Weight	Gloss 39.3 ± 3.0 g/m²/25 um 0.0080 ± 0.0008 lbs/ft²/mi	1
	Semi-Gloss and Flat 46.3 ± 3.0 g/m²/25 um 0.0094 ± 0.0008 lbs/ft²/mi	1
Volatile Organic Compounds	Max 340 g/l Max. 2.8 lbs/gal	
Color	As required: 595-16492 595-17178 595-36231 595-37038 595-17925	

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Flash Point	422X Series	-4°C / 25°F	
	Curing Solution 0200T126	27°C / 80°F	
	Curing Solution 0200T129	36°C / 97°F	
	Curing Solution 0200T126C	29°C / 84°F	
Shelf life	Curing Solution 0200T126		
Shelf life 5 - 38°C (41 - 100°F)	422X Series	24 months	
,	Curing Solution 0200T129	24 months	
	Curing Solution 0200T126C	24 months	

#### **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.

### Revision date: February 2024 (supersedes August 2016) - 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