

## 24T3 Series Abrasion Resistant Fast Dry Polyurethane Coating

### Product Group

Abrasion resistant coating

### Characteristics



Product Information

This two-component, fluoropolymers filled polyurethane coating is inherently light stable with excellent abrasion resistance and surface lubricity. Designed for use on aircraft control surfaces, this coating is resistant to hydraulic fluids, aircraft fuel, engine oil, solvents, water and cleaning compounds. It is available in various colors.

### Components



Curing Solution, Thinner

Curing solution: PC-216  
Thinner: TR-114, only if required HAPS 7 VOC free reducer

### Specifications



Qualified Product List

Boeing	BAC 5710, Type 27
Boeing	BMS 10-86, Type II, Grade D
Boeing Long Beach	DPM 5066, Comp C
Bombardier/Shorts	SMS 93, Ty 2
Lockheed Martin	5PTMRL40-13

The complete Akzo Nobel Aerospace Coatings qualified product list (QPL) can be found at: [www.anac.com](http://www.anac.com)

### Surface Conditions



Cleaning

- Surface pretreatment is an essential part of the painting process
- Follow the specification requirements for cleaning and pretreatment application.
- Primed surface should be coated within 2-48 hours.
- If the primed surface dries longer than 48 hours, it should be lightly sanded with #400 grit or equivalent sandpaper followed by a solvent wash using a clean cotton cloth dampened with MEK before topcoat.

### Instruction for Use



Mixing Ratio (volume)

3 parts	Base: 24T3-XXX
1 part	Curing Solution: PC-216
Only if required	Thinner: TR-114

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- Stir or Shake till all pigment is uniformly dispersed before adding curing solution.
- Stir the catalyzed mixture thoroughly



Induction Time

None



Initial Spraying Viscosity  
(21°C/70°F)

16-24 seconds ISO Cup 6  
15-27 seconds Signature Zahn Cup 3

The uses of Signature Zahn Cups for viscosity are requirements of the referenced specifications, and the ISO Cup measurement is provided only as a reference for field application. They are not provided as quality control values.



Pot Life  
(21°C/70°F)

30 minutes



Dry Film Thickness  
(DFT)

203-254 micron (µm)  
8-10 mils

### Application Recommendations

Standard suction or pressure spray equipment or brush. Satisfactory atomization is easily accomplished at a line pressure of 50-60 psi on a suction gun, to a line pressure of 65-70 psi on a pressure pot gun with 9-15 psi fluid line pressure.



Conditions

Temperature: 15 – 35°C  
59 – 95°F  
Relative Humidity: 35 – 75%



Equipment

Air 1.8 mm nozzle orifice  
HVLP 1.4 mm nozzle orifice  
Air Assisted, Electrostatic .33 mm nozzle orifice



Number of Coats

Apply wet cross coats, allowing 15 minutes to flash off between coats, to achieve 2-3 mils (50-75 microns) dry per coat.



Cleaning of Equipment

MEK, TR-19 or C28/15

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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.

### Physical Properties



Drying Times  
(21°C/70°F)

Dry to dust	45 minutes
Tack free	2 hours
Dry through	3 hours
Full cure	7 days

An accelerated cure schedule may be used. Once the required film thickness has been achieved, flash dry the applied coating a minimum of one hour at 75°F (24°C), 50%RH. Cure for two hours at 150°F (66°C), with good air movement.



Theoretical Coverage

20.57 m<sup>2</sup> per liter ready to apply at 25 micron dry film thickness  
802 ft<sup>2</sup> per US gallon ready to apply at 1 mil dry film thickness



Dry Film Weight

44.07 g/m<sup>2</sup> per 25 micron  
0.009 lbs/ft<sup>2</sup> per mil



Volatile Organic Compounds

Max 420 g/l  
Max. 3.5 lb/gal



Gloss (60°)

25 maximum



Color

Various



Flash-point

24T3 Series	See MSDS for specific flash-point
PC-216	78°F (25°C)



Storage

Store product under dry conditions and at a temperature between 5-38°C (41-100°F).

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Shelf life  
5 - 38°C  
(41 - 100°F)

12 months per ANAC commercial specification  
Shelf life may vary due to OEM specification requirements

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### 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.

### FOR PROFESSIONAL USE ONLY

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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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