

10P30-1

High Solids Integral Fuel Tank Coating

Technical Data Sheet

Product Group

Fuel tank coating

Characteristics



Product
Information

A high solids two-component epoxy coating for the interior of fuel tanks providing excellent corrosion and fluid resistance, and sealant compatibility.

Components



Curing Solution

Curing Solution: EC-242

Specifications



Qualified
Product List

Boeing

BMS 10-20 Ty II, Cl A, Gr D

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.
- Follow the specification requirements for cleaning and pretreatment application.

Instruction for Use



Mixing Ratio
(volume)

3 parts
1 part

Base 10P30-1
Curing Solution EC-242

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

10P30-1

High Solids Integral Fuel Tank Coating



Induction Time

60 minutes*

* Induction can vary by process specification used (please refer to process specification you are following for required induction).



Initial Spraying
Viscosity
(25°C/77°F)

13 – 17 seconds Ford Cup #4



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)

13 – 23 micron (μm)
0.5 – 0.9 mils

Application Recommendations

Standard suction, pressure pot air assist airless or HVLP spray



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.

10P30-1

High Solids Integral Fuel Tank Coating

	Equipment	Conventional Air HVLP	1.4 mm (.055 inch) nozzle orifice 1.4 mm (.055 inch) nozzle orifice
	Number of Coats	Spray apply a single uniform wet coat to recommended dry film thickness	
	Cleaning of Equipment	Use TR-19 or MEK	
Physical Properties			
	Drying Times (25 +/- 2°C / 77 +/- 2°F, 55 +/- 5% RH)	Dry to dust Tack free Dry through Cure schedule	90 minutes, max. 3 hours. 12 hours. ½ hour air dry and one hour at 160°F (71°C)
	Theoretical Coverage	19.4 m ² per liter ready to apply at 25 µm dry film thickness 791 ft ² per US gallon ready to apply at 1 mil dry film thickness	
	Dry Film Weight	43 g/m ² /25 micron .009 lbs/ft ² /1 mil	
	Volatile Organic Compounds	Max 420 g/l Max. 3.5 lb/gal	
	Gloss (60°)	N/A	

10P30-1

High Solids Integral Fuel Tank Coating



Color

Yellow



Flash-point

10P30-1
EC-242

16°C / 61°F
7°C / 45°F



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.

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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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