10P2-3

Technical Data Sheet

Product Group

Conductive Coating

Characteristics

Product Information

This epoxy coating is designed to produce an anti-static conductive film on fiberglass components. It can be air cured or force dried.

Components

Base	10P2-3
Curing Agent	Curing Solution EC-110

Specifications

Qualified Product List

AirbusCanada	A2MS 565-012, TYIII
Avic Aviation	AMMS2504
Boeing	BMS 10-21, TY III
Bombardier Canadair	BAMS 565-012, TY III
Comac	CMS-CT-223, TY II
Embraer	MEP 10-053, TY II
GulfstreamAerospace	GMS 5003, TY I, CL 2
LearJet	LES 1231
Mitsubishi	CMAMS 565-012, TY III
Northrop Grumman	P-P502
TRW	MT6-12A1
United Launch Alliance	STM 37-510, TY III, CL 2

Product specifications change constantly, to ensure the most accurate information regarding specifications, please check our online qualified product list (QPL) at aerospace.akzonobel.com/products.

Surface Conditions

Surface Preparation/ Cleaning

- Surface pretreatment is an essential part of the painting process.
- Follow the specification requirements for cleaning and pretreatment application.

Instruction for Use

Spray Application (Mix Ratio)

	Volume
10P2-3	3 parts
Curing Solution EC-110	1 part

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

Induction Time

30 minutes

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Initial Spraying Viscosity (25°C/77°F)	25 – 35 seconds ISO Cup #4 16 – 20 seconds Zahn Cup #2 Signature series 15 – 18 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 (25ºC/77ºF)	Minimum 4 hours Maximum 8 hours
Dry Film Thickness (DFT)	15 – 25 µm 0.6 – 1 mil

Application Recommendations

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 airflow 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 the appearance of the coating.	

Equipment Recommendation	Air	1.2 – 1.4 mm nozzle orifice
	HVLP	1.2 – 1.4 mm nozzle orifice
	High Pressure Airless Electrostatic	0.23 – 0.28 mm nozzle orifice
Cleaning of Equipment	Use MEK.	

Physical Properties

Drying Times

	25°C/77°F, 55% RH
Dry to Dust	15 minutes
Tack Free	1 hour
Dry to Tape	2 hours
Force Cure	15’ – 30’ flash, then 30’ to 45’ @ 140°F
Recoatable Minimum	3 hours
Recoatable Maximum	24 hours

Theoretical Coverage

7.0 m² per liter ready to apply at 25 µm dry film thickness.
285 ft² per US gallon ready to apply at 1 mil dry film thickness.

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Dry Film Weight	38.5 g/m² / at 25 µm. 0.008 lbs./ft² / at 1.0 mil.
Volatile Organic Compounds	Max 684 g/l Max 5.7 lbs./gal
Gloss (60°)	Maximum 30 GU
Color	Flat black

Flash Point	10P2-3	-5ºC / 23ºF
	Curing Solution EC-110	7.2ºC / 45ºF

Storage	Store the product dry and at a temperature between 5 and 38ºC / 41 and 100ºF per AkzoNobel Aerospace Coatings specification. Store in the original unopened containers. Storage temperature and shelf life may vary per OEM specification requirements. Refer to the container label for specific storage life information.	
Shelf life 5 - 38°C (41 - 100°F)	10P2-3	12 months
	Curing Solution EC-110	12 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.

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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. Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel

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