

10P2-3 Anti-static Conductive Flat Black Epoxy Coating

Product Group

Conductive epoxy 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



Curing Solution Thinner

Curing Solution: EC-110

Specifications



Qualified Product List

Boeing	BMS 10-21 Type III
Bombardier/Canadair	BAMS 565-012, Ty III
Bombardier/Shorts	WP143
EADS (CASA)	Z-12.506/BMS 10-21, Ty III
Lockheed Martin	STM 37-510 Type III, Class II

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

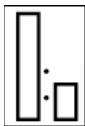
Surface Conditions



Cleaning

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

Instruction for Use



Mixing Ratio (volume)

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

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



Induction Time

None

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Initial Spraying
Viscosity
(23°C/73°F)

25 – 35 seconds ISO-Cup 4
16 – 20 seconds Signature Zahn-Cup #2
15 ± 3 seconds Ford Cup #4



Pot Life
(23°C/73°F)

8 hours



Dry Film
Thickness
(DFT)

33-46 micron (µm)
1.3-1.8 mils

Application Recommendations

Standard suction or pressure pot spray equipment.



Conditions

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



Number of
Coats

Spray a single uniform wet coat to recommended dry film thickness



Cleaning of
Equipment

Use TR-14 or MEK



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
(23°C/73°F)

Dry to dust 1 hour
Dry to tape 8 hours

Force Cure 15' flash, then 30' @ 140°F



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 micron
0.008 lbs/ft²/ at 1.0 mil



Volatile Organic Compounds
Max 684 g/l
Max 5.7 lbs/gal (685 g/l) per US calculations



Gloss (60°)
6-10 (30% maximum)



Color
Flat black



Flash-point
10P2-3
EC-110
-5°C / 23°F
7.2°C / 45°F



Storage
Store the product dry and at a temperature between 5 and 25°C / 41 and 77°F. Stored in the original unopened containers. Periodical short time exposure (max. 48 hrs at a time) to higher temperatures (max. 40°C / 104°F) will not negatively influence the shelf life of the products.

Shelf life
5 - 38°C
(41 - 77°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

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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