

10P20-12

High Solids Urethane Compatible Epoxy Primer



AkzoNobel
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Product Group

Epoxy primer

Characteristics



Product
Information

- Designed for the exterior of aircraft, this Skydrol® resistant primer provides excellent corrosion resistance and adhesion for urethane topcoats.

Components



Curing Solution,
Thinner/Reducer

Curing Solution EC-212
Optional Thinner TR-114 or other VOC compliant reducer

Specifications



Qualified Product
List

Boeing DMS 2104, Comp C, Type I
Northwest Airlines SA 1110-01064-8

The complete AkzoNobel Aerospace Coatings qualified product list (QPL) can be found at: 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 Base 10P20-12
1 part Curing Solution EC-212
0.5 part, if desired Thinner TR-114 or other VOC compliant reducer

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



Induction Time

15 minutes



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

14-21 seconds ISO-Cup 4
15-22 seconds Zahn-Cup 2

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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)

2 hours
4 hours (when used with TR-114)



Dry Film
Thickness
(DFT)

17.8-25.4 micron (μm)
0.7-1.0 mils

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 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.



Equipment

Air 1.4 mm (.055 inch) nozzle orifice
HVLP 1.4 mm (.055 inch) nozzle orifice
Air Electrostatic 1.2 mm (.047 inch) nozzle orifice
Airless Electrostatic .28-.33 mm (.011-.013 inch) nozzle orifice at 60° angle



Number of coats

Spray an even closed wet coat



Cleaning of
Equipment

Use MEK



Physical Properties



Drying Times
(25 +/- 2°C / 77
+/- 2°F, 55 +/- 5%
RH)

Dry to topcoat
Full cure

3 hours minimum at 77°F(25°C)/50%
RH
7 days at 77°F(25°C)/50% RH



Theoretical
Coverage

24.6m² per liter ready to apply at 25 µm dry film thickness.
1,000 ft² per US gallon ready to apply at 1 mil dry film thickness, no loss.



Dry Film Weight

43.1 g/m²/25 µm micron
0.009 lbs/ft²/mil



Volatile Organic
Compounds

Max 350 g/l
Max. 2.9 lb/gal



Gloss (60°)

60-90 GU



Color

Yellow



Flash-point

10P20-12 7°C / 45°F
EC-212 7°C / 45°F
TR-114 -17°C / 1°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.

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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.

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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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