

# 10P8-10NF

## Fluid Resistant Epoxy Primer Brushable / Rollable Application

### Technical Data Sheet

#### Product Group

Epoxy primer

#### Characteristics



Product  
Information

- A chemically cured epoxy primer designed to provide excellent corrosion and chemical resistance for aircraft detail and subassembly parts.
- This primer meets the dry film requirements of BMS 10-11, Type I, Piper PMS-F1003, and MEP10-059.
- This version has been formulated for brush and roller application.

#### Components



Curing Solution

Curing Solution: EC-289

#### Specifications



Qualified  
Product List

Boeing  
Embraer  
Piper  
Israel Aerospace  
Industries

BMS 10-11, Ty I, Cl A, Gr B Performance  
MEP 10-059 Performance  
PMS-F1003 Performance  
MS100013

For most recent up-date or missing specifications please check the qualified product list (QPL) on [www.akzonobel.com/aerospace](http://www.akzonobel.com/aerospace)

#### Surface Conditions



Cleaning

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

#### Instruction for Use



Mixing Ratio  
(volume)

4 parts  
1 part

Base 10P8-10NF  
Curing Solution EC-289

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



Induction Time

None



Pot life  
(25°C/77°F)

8 hours.



Dry Film  
Thickness  
(DFT)

20 – 30 micron (μm)  
0.8 – 1.2 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

Foam roller recommended. High quality natural bristle brush.  
For woven fabric covers,  
remove loose nap with  
masking tape before using.

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Number of  
Coats

One coat to recommended dry film thickness.



Cleaning of  
Equipment

MEK or TR-114

### Physical Properties



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

Dust Free	15 to 30 minutes
Tack Free	30 to 60 minutes
Dry through	4 hours maximum



Theoretical  
Coverage

13.9 m<sup>2</sup> per liter ready to apply at 25 µm dry film thickness  
566 ft<sup>2</sup> per US gallon ready to apply at 1 mil dry film thickness



Dry Film Weight

47.85 g/m<sup>2</sup> at 25.4 microns  
.0098 pounds/ft<sup>2</sup> at 1 mil



Volatile Organic  
Compounds

Max. 350 g/l (per U.S. calculations)  
Max. 2.9 lb/gal



Gloss (60°)

10 maximum GU



Color

Green BAC 452

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Flash-point

10P8-10NF  
EC-289

-17°C / 1°F  
43°C / 109°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.

**Issue date: October 2021 (supersedes January 2015) - 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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