



AEROPRIM EPU 123

PRIMER
Two component

ANTICORROSIVE EPOXY-URETHANE PRIMER with chromate of strontium to protect aluminium and alloys.

Edition December 07

FEATURES

Flexible epoxy-polyurethane primer for aluminium providing high resistance to filiform corrosion and to hydraulic fluids (Skydrol).

Very fast drying time and recoatability.

Recommended as key primer to protect spars,...

AEROPRIM EPU 123 must be applied exclusively onto WASH PRIMER 110.

MUST BE APPLIED ONLY BY A PROFESSIONAL

RECOMMENDED USES

This primer is recommended for aircraft interiors and exteriors, and for aluminium and carbon spars.

Not recommended under waterline.

AEROPRIM EPU 123 protects:

- aluminium decks
- spars
- over waterline areas

CERTIFICATIONS :

Meets N.T 10113 and N.T 10028, the BMS 10-79 type II and III.

Meets the STPA-MA N° 2859-LE-92 requirements. (Airbus-Eurocopter-Otan)

SPECIFICATION DATA

COATING TYPE: Epoxy-urethane Primer

COLOR : Yellow/Green

GLOSS : Semi-gloss

COMPONENT : Two component

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COMPONENT RATIO :

- Weight : 100 Base / 38 Hardener
- Volume : 2 Base / 1 Hardener

INDUCTION TIME (at 20°C) : 10 minutes

POT LIFE (at 20°C) : 8 hours

THINNER : PU N° 2

DENSITY AT 20°C : 1,13 approx.

VOLUME SOLIDS : 43 % + /-3%

VOC : 620 g/l

THEORETICAL SPREADING RATE :

8,8 Sq.m/L at 25 dry microns (62.5 g/m² wet)

RECOMMENDED FILM THICKNESS PER COAT :

Dry : 15 to 25 microns

Wet : 60 to 80 microns

DRY TIME :

(at 20°C - 40 to 60 % HR at 25 dry microns) :

Dustfree : 1 hour

To handle : 10 hours

DRY TIME TO RECOATABLE :

(at 20°C - 40 to 60 % HR at 15 to 25 dry microns) :

Minimum : 2 hours

Maximum : 72 hours (after 72h, sanding)

(at 40°C - 40 to 60 % HR at 15 to 25 dry microns) :

Minimum : 1 hour

Maximum : 24 hours

MAXIMUM TEMPERATURE RESISTANCE: 100°C

SURFACE PREPARATION

All surfaces must be free of grease, dust, water marks, moisture and other foreign matter and be properly primed with a compatible epoxy primer. To insure the best appearance, the primer or undercoat should be smooth and free of any surface defects such as runs, dry spray or heavy orange peel.

Primer **AEROPRIM EPU 123** should be applied over WASH PRIMER WP 110, or directly onto aluminium after a treatment by chemical conversion or anodic oxidation.

Primer **AEROPRIM EPU 123** can be recoated by systems PORE FILLER EPU 228 HB, EPU 221 by lacquers PU 77, PU 99 or TOPCOAT COLOR PU 320.

For all other types of coatings, consult our technical department.

MIXING AND THINNING

Before mixing the components, mix carefully the base portion first to obtain a smooth, homogeneous condition. After mixing the base portion, add the hardener slowly with continued agitation. After adding the hardener, continue to mix slowly.

After 10 minutes of induction time, it's possible to diluate from 0 to 25 % of PU N°2 (depends on application conditions or method).

You must check the viscosity with cup DIN or AFNOR.

Spray gun application : check the viscosity every 2 hours. Don't forget to mix after every dilution.

APPLICATIONS

| APPLICATION METHOD | | THINNER | TIP SIZES | PRESSURE |
|--------------------|----------------------|----------|-------------------------------|-----------------|
| BRUSH | YES (spot finishing) | NA | | |
| ROLLER | YES (spot finishing) | NA | | |
| SPRAY GUN | YES | 0 to 10% | 1,2 to 1,4 | 3 to 4 BARS |
| AIRLESS SPRAY | YES | 0 to 5% | 0,017 to 0,033 mm (30 to 60°) | 100 to 200 BARS |

CONDITIONS FOR APPLICATION :

Optimum : 20 to 25 °C for 45 to 75 % HR

Limit : 16 to 30°C for 30 to 80 % HR

Don not apply below 15°C

The substrate temperature must be at least 3°C above the dew point to avoid any condensation - consult the conversion table available at Map Yachting.

VISCOSITY : 13s to 15s Cup AFNOR N° 4 42s to 50s Cup AFNOR n°2,5 14s to 15s Cup DIN N°4

PRECAUTIONS AND SHELF LIFE

See the material safety data sheet and product label for complete safety and precaution requirements

PACKAGING : KIT of 1,5 or 6 Liters

CLASS ONU : 1263

SHELF LIFE: 24 months in original unopened cans at + 5 and + 35 °C away from humidity - 7,5 months in tropical climate

FLASH POINT : Base : 21°C Hardener : between 23°C and 55°C

LABEL : Base = F : Highly flammable T : Poison Hardener = F : Highly flammable Xn : Harmful



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