



Technical data sheet: RS 040
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EPOX PSB PRIMER.....

Epoxy adhesion primer



Licence n° 83/CNES/6304

➤ Coating characteristics

Polymer matrix	➤ Epoxy with polyamide hardener
Pigment	➤ Aluminium
Solvent	➤ Aromatic
Density	➤ 1.06 ± 0.05
Solids content	➤ 41 % ± 2 %
V.O.C.	➤ 721 g/L
Standard Thickness	➤ 30 µm to 40 µm 1 mist coat - let dry until you get a mat aspect + 1 horizontal coat
Theoretical consumption	➤ 123 g/m ² of product @ 35 µm i.e. 1.44 g dry / m ² per dry µm
Surface preparation	➤ <u>On composites:</u> Crossed sandpapering, dust removal with compressed air, cleaning by rubbing with Forane 141b or equivalent, then acetone. (For further information, please contact us) Any sticking on the paint being absolutely prohibited, the sticking areas must be masked before any paint application.
Base/hardener weight ratio	➤ 96 / 4
Thinner	➤ 40 % to 50 % of EPOX PSB thinner
Viscosity	➤ 15s to 19s AFNOR Cup 4
Pot life	➤ 2 h
Applying conditions	➤ 20°C ≤ T° ≤ 25°C 40 % < RH < 70 %
Covering time	➤ 72 h (imperative) T° @ 20 °C RH @ 50 %

➤ Definition

Two component epoxy primer improving the adhesion of PSB paint on composites.

Aspect : **aluminium**
AFNOR NFT 36005 classification: Family I - Class 6b

Purpose: developed by CNES, EPOX PSB primer improves the adhesion of PSB paint on composites such as: glass / Epoxy, Kevlar / Epoxy, carbon / Epoxy... It can be used in the Space industry, vacuum technologies, optics

CNES Report CR-409/CT/AE/MTE/TH

➤ Application parameters

EPOX PSB primer is delivered in two components to mix thoroughly before use. Add EPOX PSB thinner to get the right viscosity. ⚠ CAUTION: do not filter.

For information only:

Spray gun: **KREMLIN J4, gravity alimentation, Nozzle 12, AM head**

Output: **4 turns , oval jet**

Pressure: **2.4 bars**

Vector gas: **Compressed air**

➤ Packaging

1 kg (0.96 kg Base + 0.04 kg hardener)

➤ Storage

3 months in original unopened packaging between 5°C & 25°C.

➤ Safety data

Precautions ➤ General precautions in use for the application of paints containing solvents and epoxy resins. Flammable product. Never handle near a flame. Store in a fresh and ventilated area.

Labelling ➤ This preparation was classified in compliance with the directives in effect.

Transport ➤ Please refer to our latest safety data sheet.

*Non-contractual technical data: for your information only.
For further information, please contact us.*

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