

# PSX PRIMER

Adhesion primer for space use

Technical data sheet: RS 105  
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 Revision: 4  
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## ➤ Coating characteristics

Polymer matrix	➤ Silicone
Pigment	➤ N/A
Solvent	➤ VMS
Density	➤ 0.82 ± 0.05
Solids content	➤ About 5 %
V.O.C.	➤ 779 g / L
Standard thickness	➤ About 1 µm To get a glossy aspect of the film: <u>on non porous substrates:</u> About 3 wet on wet crossed coats <u>on porous substrates:</u> About 6 wet on wet crossed coats (carbon-epoxy, glass-polyimide)
Theoretical consumption	➤ 28 g / m <sup>2</sup> of product @ 1 µm i.e. 1.39 dry g / m <sup>2</sup> 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.  <u>On light alloys:</u> Crossed sandpapering, dust removal with compressed air, cleaning by immersion or rubbing with Forane 141b or equivalent, then with 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.
Filtration	➤ 80 µm nylon filter
Applying conditions	➤ 18 °C ≤ T° ≤ 25 °C 40 % ≤ RH ≤ 60 %
Covering time	➤ 1 h to 2 h T° @ 20 °C RH @ 50 %

## ➤ Definition

Adhesion primer for silicone paints and resins.

Aspect : colourless

CNES qualification reports:

- DCT/TV/TH/04-272
- DCT/TV/TH/04-626
- DCT/TV/TH/04-1252

Paint systems for space use:

- PSX + PCBE
- PSX + SG121FD
- PSX + SCK5
- PSX + PN
- PSX + PNC
- PSX + PNAS
- PSX + MAPSIL 213
- PSX + MAPSIL 213-B
- PSX + MAPSIL 214 BV
- PSX + MAPSIL 214 HV
- PSX + MAPATOX 41-B
- ...

## ➤ Application parameters

Ready for use, PSX Primer must be mixed thoroughly before use. Apply the part from a good distance, to avoid the formation of drops (about 30 cm between the spray gun and the part).

For information only:

	Small surfaces	Large surfaces
Spray gun :	KREMLIN J4, Nozzle 12, AM head	KREMLIN SKM18 Nozzle 14, N2 head
Output:	1 turn, oval jet	0.75 to 1 turn, oval jet
Pressure:	1 bar	0.8 to 1.2 bar
Vector gas:	Compressed air	Compressed air

## ➤ Packaging

1 L / 0.5 L / 0.25 L

## ➤ Storage

Up to 6 months in original unopened packaging @ 20 °C ± 5 °C.

## ➤ Safety data

Precautions ➤ General precautions in use for the application of paints containing solvents. 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 datasheet.

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

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Société Anonyme à Directoire et Conseil de Surveillance au capital de 1 500 000 €

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