

## MAP AERO P

Anticorrosion polyurethane primer

### Coating characteristics

Polymer matrix	● Polyurethane
Pigment	● Chromates
Solvent	● Esters and aromatic hydrocarbures
Density	● 1.51 ± 0.05
Solids content	● 70 %
V.O.C.	● 603 g/L
Standard thickness	● 20 µm to 30 µm dry 1 mist coat + 1 crossed coat
Theoretical consumption	● 70 g/m <sup>2</sup> of product @ 25 µm i.e. 2 g dry / m <sup>2</sup> per dry µm
Surface preparation	● Perfect cleaning. Please contact us.
Base/ hardener weight ratio	● 83 / 17
Thinner	● 25 % to 35 % of PM thinner
Viscosity	● 14s to 18s AFNOR Cup 4 @ 20°C
Filtration	● 80 µm nylon filter
Induction Time	● 20 min to 30 min @ 20°C
Pot life	● 8 h @ 20°C
Applying conditions	● 15°C ≤ T° ≤ 25°C The temperature of the surface must be at least 3° C > the dew point to avoid any condensation. 40 % ≤ HR ≤ 70 %
Tack free	● 1 h to 1 h 30
Dry to handle	● 6 h
Covering time	● 24 h to 72 h

T° @ 20°C

RH @ 50 %

### Definition

Anticorrosion polyurethane primer.

Aspect: **satin mat yellow**

AFNOR NFT 36005 classification: Family I - Class 6a.

CNES Report 85/CST/DRT/SST/TH/76

In accordance with:

- AERONAUTIC SPEC CEAT PV M 6575100
- AEROSPATIALE SPEC DSN 00 52
- British Aero Space SPEC MS 1120

Purpose: MAP AERO P primer may find applications in the following fields: Space industry (launchers), Aeronautics (aircraft, helicopters, engines), Electronics, Oil industry.

Paint systems for space and aerospace use:

- MAP AERO P + MAP AERO STATIC B
- MAP AERO P + MAP AERO STATIC F
- MAP AERO WP + MAP AERO P + MAP AERO STATIC B

### Application parameters

MAP AERO P is delivered in two components which must be perfectly mixed before use. Add **PM thinner** to get the right viscosity.

For information only:

Spray gun: **KREMLIN J3 or J4, Nozzle 12, AM head or SKM 18, Nozzle 14, N1 head**

Output: **2 to 3 turns, oval jet**

Pressure: **2 to 3 bars**

Vector gas: **Compressed air**

### Packaging

1Kg (0.83 Kg base + 0.17 Kg hardener)

5 Kg (4.15 kg base + 0.85 kg hardener)

### Storage

18 months in original unopened packaging @ 20°C ± 5°C and away from humidity, without altering the properties.

### Safety data

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

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.

This information, based upon literature and our testing experience to date, is offered as part of our service to customers, and is intended for use by persons having technical skill, at their own discretion and risk for their own investigation and verification. We do not guarantee favourable results and we assume no liability in connection with its use. This information is not intended as a licence to operate under, or a recommendation to infringe, any patent covering any material or use.



Revêtements et peintures  
pour l'espace et la haute-technologie

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Page 2/1

*For further information, please contact us*