

Approvals and conformities

AIA CP	561/aéro/61, 130/aéro/61 (PRIAM 32005 blanc mat), 245/aéro/61 (PRIAM 32005 gris 70072 mat), 840/AIACP/6120/99 (PRIAM 35375 antistatique noir mat), 510/aéro/61 (PRIAM 32005 incolore mat), 137/aéro/61 (PRIAM 32005 noir mat), 509/aéro/61 (PRIAM 32005 vert 4963 mat), 674/AIACP/6120/99 (PRIAM 32005 gris moy 3630), 1104/AIACP/6120/97 (PRIAM 32005 gris mat AF3624)
AIRBUS SAFRAN LAUNCHERS	SM 78026-B (PRIAM 32005 noir mat)
DASSAULT AVIATION	42 199
NPO SATURN	DMR 74-035
SAFRAN AIRCRAFT ENGINES (formerly SNECMA)	DMR 74-035 (PRIAM 32005 noir mat, blanc mat, jaune vert 3389, crème ivoire 3225), DMR 74-051
SAFRAN NACELLES	BLGE140501
THALES RESEARCH & TECHNOLOGY	16 261 974-024

Description:

PRIAM 32005 is an aircraft coating for use on aircraft radomes and engine parts (cones, blades, OGV).

Benefits:

- Excellent sand and water erosion resistance.
- Excellent resistance to chipping caused by gravel.
- Transparent electromagnetic interference shielding.
- Tropical heat resistant (70°C).
- Aviation fluid resistant.
- Low temperature resistant (-50°C).
- Good UV resistance.

Different shades are available, please contact us with your specific requirements.

USES

Note: Choose the primer based on the substrate:

- Light alloys: PRIAM CE 110 or PCE 211

- Composite: PRIAM CE 111

Substrate	Preparation
Composites	Dust removal
Aluminium	Anodisation
Steel	Sand blasting
Steel	Cleaning

DIRECTIONS FOR USE

Two Component Product

Name	Pot-Life (hh:mm)
PRIAM 32005 PART B	08:00

Preparation & Application

During application, the following requirements must be adhered to:

- $15^{\circ}\text{C} < T^{\circ} < 35^{\circ}\text{C}$
- $30\% < \text{Hy} < 80\%$

1 - PNEUMATIC SPRAYING <i>Viscosity 20 s +/- 2 AFNOR 4</i>		Weight	Tol +/- %
Base	PRIAM 32005 YELLOW GREEN MATT 3389	77	
Hardener	PRIAM 32005 PART B	23	
Thinner	DL 206	20	10

Table: Application method determines thinner ratio. Viscosity measurements provided are intended to be guidelines only and not parameters for quality control. Verified information is provided in certification documents, which are available from the technical department on request.

Note: Possible to air dry (12 hours between 20 and 22°C). On composites, dry at 60°C.

FORCED DRYING	
Characteristic	Value
Flash off	00:30 hour
Force dry	02:00 hours
Temperature	60°C

STOVING	
Characteristic	Value
Flash off	00:30 hour
Drying time	00:15 hour
Oven temperature	100°C

TECHNICAL CHARACTERISTICS

Technical Data - Product Ready For Use	
Characteristic	Value
Weight solids	44% +/-3

Volume solids	32% +/-3
Recommended wet film thickness	625 µm +/-60
Recommended dry film thickness	200 µm +/-20
Theoretical coverage	650 g/m2 for 200 µm
Shade	Green
Gloss	Matt

Data for mixture n°1

Note: Total final thickness obtained after 3 to 6 coats.

Other Data		
Characteristic	Value	Note
Adhesion	Class 0	On primer
Resistance to wet heat	700H (Hour)	95% RH at 70°C
SKYDROL resistance	24H (Hour)	Immersion at 20°C
Engine oil resistance	24H (Hour)	Immersion at 20°C
Kerosene resistance	24H (Hour)	Immersion at 20°C
VOC PART A	403 G/L (gram / liter)	
VOC PART B	606 G/L (gram / liter)	
VOC	455 G/L (gram / liter)	Mix A+B

PRECAUTIONS FOR USE AND STORAGE

Storage: 12 months between 5°C and 35°C in original, hermetically sealed packaging.

Shelf life after first opening:

- 3 months for the base
- 1 month for the hardener.

For further information, please refer to the product safety data sheet.

This technical data sheet replaces and cancels the previous one.

The above details have been compiled to the best of our knowledge. They have, however, an indicative value only and we therefore make no warranties and assume no liability in connection with any use of this information, particularly if a third party's rights are affected by the use of our products. The above information has been compiled based upon tests carried out by Mäder Aero. All data is subject to change as Mäder Aero deems appropriate. The data given is not intended to substitute for any testing you must conduct in order to determine the suitability of the product for your particular purposes. Please check your local legislation applicable to the use of this product. Should you need any further information please contact us.