

### Approvals and conformities

AIA CP	138/aéro/61
SAFRAN AIRCRAFT ENGINES (formerly SNECMA)	DMR 74-051
THALES RESEARCH & TECHNOLOGY	16 261 974 - 024

**PRIAM CE 111** is a zinc chromate free two component epoxy primer for use on aircraft radomes and engine parts (cones, blades, OGV). It is specifically designed to protect the surfaces and leading edges of aircraft parts, onshore and offshore wind turbines against erosion (water, sand, hail).

**PRIAM CE 111** is a primary coating and must be used with PRIAM 32005 White Topcoat to obtain the optimal protection system required by OEMs and maintenance companies against severe environmental conditions and external aggressions.

### Benefits:

- Excellent adhesion to a wide range of substrates.
- Transparent electromagnetic interference shielding.
- Good resistance to hot and humid conditions (up to 70°C).
- Aviation fluid resistant.
- Low temperature resistant (-50°C).

### USES

**PRIAM CE 111** is suitable for use on light alloys and epoxy composites.

Substrate	Preparation
Epoxy composite	Surface filler
Aluminium	Anodisation
Polyester composite	Surface filler

Possible Schemes		
	1st scheme	2nd scheme
Substrate	Composite	
Primer	PRIAM CE 111 GREY 70356	
Finish	PRIAM 32005 MATT BLACK PART A	

### Please, consult us regarding SOCOMORE solutions for:

- Surface preparation (SOCOCLEAN, DIESTONE & DS ranges),
- Functionalized coatings (SOCOGLAZE, AEROGLAZE, CHEMGLAZE, PRIAM, LBYH ranges),
- Surface treatment (SOCOCLEAN & SOCOSURF ranges),

- Adhesion promotion (SOCOGEL & PREKOTE ranges)
- Chemical stripping (SOCOSTRIP & SPC ranges).
- Non destructive testing products & services (BABBCO range)



## DIRECTIONS FOR USE

### Two Component Product

Name	Pot-Life (hh:mm)
PRIAM PCE 111 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 23 s +/- 5 AFNOR 4</i>		Volume	Weight	Tol +/-
Base	PRIAM CE 111 GREY 70356	70	78	
Hardener	PRIAM PCE 111 PART B	30	22	
Thinner	DL 162	20	15	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.*

AIR DRYING	
Characteristic	Value
Dust dry	00:10 hour
Touch dry	00:30 hour
Hard dry	48:00 hours
Overcoating	12:00 hours

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

## TECHNICAL CHARACTERISTICS

Technical Data - Product Ready For Use	
Characteristic	Value
Weight solids	51% +/-3

Volume solids	31% +/-3
Recommended wet film thickness	50 µm +/-15
Recommended dry film thickness	15 µm +/-5
Theoretical coverage	17 m <sup>2</sup> /kg for 15 µm
Shade	GREY RAL7001
Appearance	Satin-matt

Data for mixture n°1

Other Data		
Characteristic	Value	Note
Adhesion	Class 0	
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
Salt spray	500H (Hour)	at 50 µm minimum

## PRECAUTIONS FOR USE AND STORAGE

### Storage

1 year between 5°C and 35°C in original, unopened packaging.

Shelf life after opening: 3 months.

For more information regarding the danger of the product, please consult the product safety data sheet according to local regulation.

For professional use only.

**This technical data sheet replaces and cancels the previous one.**

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