

### Approvals and conformities

SAFRAN AIRCRAFT ENGINES (formerly SNECMA)

DMR 74-035, DMP 16-030

PRIAM PCE 211/M1 GRIS RAL7001 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 PCE 211/M1 GRIS RAL7001 is a primer and must be used with PRIAM 32005 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

| Substrate | Preparation |
|-----------|-------------|
| Steel     | Sand blast  |
| Steel     | Cleaning    |
| Aluminium | Anodisation |

### 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 CE 211 PART B | 12:00            |

### Preparation & Application

During application, the following requirements must be adhered to:

- $15^{\circ}\text{C} < T^{\circ} < 25^{\circ}\text{C}$
- $30\% < \text{Hy} < 70\%$

| 1 - PNEUMATIC SPRAYING |                               | Viscosity 23 s +/- 5 AFNOR 4 | Volume | Weight | Tol +/- |
|------------------------|-------------------------------|------------------------------|--------|--------|---------|
| Base                   | PRIAM CE 211/M1 GREY RAL 7001 |                              | 3.3    | 100    |         |
| Hardener               | PRIAM CE 211 PART B           |                              | 1      | 19     |         |
| Thinner                | DL 162                        |                              | 0.6    | 11     | 5       |
| 2 - AIRMIX SPRAYING    |                               | Viscosity 23 s +/- 5 AFNOR 4 | Volume | Weight | Tol +/- |
| Base                   | PRIAM CE 211/M1 GREY RAL 7001 |                              | 3.3    | 100    |         |
| Hardener               | PRIAM CE 211 PART B           |                              | 1      | 19     |         |
| Thinner                | DL 162                        |                              | 0.6    | 11     | 5       |

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      | 02:00 hours |
| Overcoating    | 12:00 hours |

| FORCED DRYING  |            |
|----------------|------------|
| Characteristic | Value      |
| Flash off      | 00:15 hour |
| Force dry      | 00:30 hour |
| Temperature    | 60°C       |

## TECHNICAL CHARACTERISTICS

| Technical Data - Product Ready For Use |          |
|--|----------|
| Characteristic                         | Value    |
| Weight solids                          | 60% +/-2 |

|                                |                   |
|--------------------------------|-------------------|
| Volume solids                  | 40% +/-2          |
| Recommended wet film thickness | 40 µm +/-10       |
| Recommended dry film thickness | 15 µm +/- 5       |
| Theoretical coverage           | 50 g/m2 for 15 µm |
| Shade                          | Grey              |
| Appearance                     | Satin-Matt        |

Data for mixture n°1

| Other Data                 |                |                       |
|----------------------------|----------------|-----------------------|
| Characteristic             | Value          | Note                  |
| Adhesion                   | Class 0        |                       |
| Salt spray                 | > 500 H (Hour) | For minimum 50 µm dry |
| SKYDROL resistance         | 24 H (Hour)    | Immersion at 20°C     |
| Engine oil resistance      | 24 H (Hour)    | Immersion at 20°C     |
| Humidity cabinet           | 700 H (Hour)   | 95% R.H at 70°C       |
| Low temperature resistance | -50°C          | Painted substrate     |

**Note:** These performances were measured 7 days after application, force dried at 20°C.

## ***PRECAUTIONS FOR USE AND STORAGE***

### **Storage**

Can be stored for 12 months between 5°C and 25°C in original, unopened containers.

Shelf life after first 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.**

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 SOCOMORE. All data is subject to change as SOCOMORE 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. Pictures are not contractual. Please check your local legislation applicable to the use of this product. Should you need any further information please contact us.