# Trimite PA8080

## Aerospace Grade Epoxy Polyester Powder Coating - Metallic

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| **Description** | An internal grade bonded epoxy polyester powder coating with a metallic finish, designed for Aerospace applications. |
| **Finish** | Available in a range of gloss levels – please consult Trimite. |
| **Features** | • Internal grade powder coating with excellent flow and decorative appearance.<br>• Good colour and gloss stability.<br>• Good over-stoving ability.<br>• Extremely tough and mar resistant.<br>• Good resistance to oils, paraffin and alcohols. |
| **Complies With** | Generic indicative tests comply with FAR 25.853. It is the responsibility of the end user to ensure full compliance to the regulations. |
| **Product Code** | **-/PA8080/-** . |
| **Colour Range** | Shade range to customers' requirements. |
| **Film Thickness & Coverage** | Range 60 - 80 µm dft.<br>Typical coverage rate: 8 – 12 $m^2$/kg. |
| **Cure Schedule** | 10 min @ 180°C (substrate temperature).<br>Target time for the curing process overall should be 20-25 min (10-15 min for rise from ambient to cure temperature, then 10 min at cure temperature). |
| **Surface Preparation** | • Pretreatment using SurTec 650 (Trimite ref MP0206) or TrimaEtch SAP2 Etch Primer is recommended. |
| **Application Details** | By conventional Corona equipment. The use of a 20 kg Fluidising Hopper is strongly recommended. |
| **Repairs** | Minor repairs can be carried out using TrimaSol 1K (single pack) or TrimaSol 2K (two pack) colour-matched aerosols. An additional coat of TrimaSol Clear aerosol lacquer may be required to achieve the required reflectivity, gloss level or effect. Please see separate **Repair Procedures** document for Trimite PA8080 in the relevant colour. |
| **Shelf Life** | Min. 1 year from date of despatch when correctly stored in unopened containers. |
| **Storage** | The product should be stored in cool, dry, frost-free conditions not exceeding 25°C, in sealed containers. Avoid exposure to direct sunlight when in storage & in use. |
| **Health & Safety** | Refer to the product's Safety Data Sheet and safety advice on the product label before use. |

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**Product Performance**

| TEST | RESULT – UK Spec | RESULT – ISO/ASTM Spec |
|---|---|---|
| Cross Hatch Adhesion | BS3900 E6 - Class '0' | ISO2409 – Pass Gt0 |
| Impact Resistance | BS3900 E3 – Pass 20 lb. | ASTM D2794 – Pass 2.5 Nm |
| Flexibility | BS3900 E11 - Pass 6 mm | ISO6860 – Pass 6 mm |
| Cupping Test | BS3900 E4 - Pass 6 mm | ISO1520 – Pass 6 mm |
| Scratch Resistance | BS3900 E2 – Pass 4 kg | n/a |
| Hot Salt Spray | ASTM B117 – Pass 1000 h | ASTM B117 – Pass 1000 h |
| Humidity Resistance | BS3900 F2 – Pass 1000 h | ASTM 2247 – Pass 1000 h |
| Chemical Resistance | Resistant to many acids, alkalis and oils at ambient temperatures. May be affected by chlorinated solvents. | |

Mechanical tests and corrosion trials were carried out on 0.7 mm aluminium test panels, pretreated with SurTec 650 (Trimite ref MP0206). A nominal powder thickness of 60 µm was used.

**Date of Issue** Aug 2026.

Information provided in this leaflet is given in good faith but without warranty or assumed liability, as the conditions of application and use are beyond our control. Data are accurate to the best of our knowledge at the time of issue but may be revised in the light of new knowledge and the user should check that data are current before use. The user must satisfy themselves about the product's suitability for their own purpose and refer to the Safety Data Sheet for this product before use. For industrial or professional use only unless specifically stated otherwise.