

Technical Data Sheet



Product Name: Organic High Heat Resistant Sacrificial Aluminium Coating

Product Number: IP9253-R2

Product Description: Spray applied high heat resisting aluminium filled coating, for use on engine components operating at up to 600°C (1,115°F) on 12% Chromium Steel, or 500°C (930°F) on low alloy steels which are subjected to harsh media such as phosphate ester based hydraulic fluids.
Sacrificial on burnishing after curing.

Approvals/Specifications:

- MSRR 9253
- Omat 7/126B
- Rolls Royce Code: 137420
- Replaces PL219

Performance:

High Heat Resistance: Chrome steels: 100 hours at 600°C (1115°F)
Low alloy steels: 100 hours at 500°C (930°F).

Cyclic salt water fog/heat at 450°C (840°F) - 240 Hours

Resistant to typical aerospace fluids, including Skydrol, lubricants and fuels.

Components: Single Pack Product. May be thinned for application using IP9151 thinner

Application:

Surface Preparation: Ensure that surfaces are totally clean and dirt free

Pre-Treatment: Typically de-grease then grit blast with 120/220 aluminium oxide. Surfaces must be dust free prior to coating.

Paint Preparation: Stir thoroughly before use. Can be mixed by rolling as required. If required can be thinned with up to 5% IP9151 thinner.

Application Method: Apply by spray: apply one wet coat and allow to flash off for 15 minutes. Apply second wet coat, to give a film thickness of 40-100 microns. Allow to flash off for 15 minutes before curing.

Drying Curing: Pre-cure for 1 hour at 190°C (375°F); raise oven temperature to 540°C (1004°F) and cure for 2 hours

Technical Properties:

Supply Viscosity:	30-35 seconds, ISO4 cup @ 23±0.5°C
Flash Point:	41°C
Supply Solids:	64% w/w
VOC Content:	500gm/litre
Colour:	Matt Grey as cured; Bright Aluminium after burnishing
Pack Size:	
Density:	1.415kg/l
Thinner:	IP9151
Solvent/Clean Up:	IP9151 or Gunwash 40006
Theoretical Coverage:	11.4 m ² /litre

Storage:

Highly flammable liquid: store and use in accordance with the flammable liquid regulations

Shelf Life: 12 months temperate; 6 months tropical

Before use, refer to Product Safety Data Sheet

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