

Technical Data Sheet



Product Name: Heat and Skydrol Resistant Air Drying Aluminium

Product Number: IP9138-R1 & IP9138-R1- AEROSOL

Product Description:

Heat resistant air drying enamel for use with IP9139, PL101 and IP9029 heat resistant stoving enamel as a touch up. Resistant to ester lubricants, Skydrol, heat and corrosion.

Additionally used as touch up for burnished Ipcote IP9183-R1

It also has many other uses in extreme environments and is applied, for example on aircraft wheels and under carriages in new manufacture and maintenance.

It may also have application as a marking ink or paint in the aircraft industry, as it also adheres to polyurethane and epoxy, with resistance to skydrol brake fluid, the new replacements for Genklene, chemicals, heat etc.

Approvals/Specifications:

MSRR9040, O/MAT 7/22B, V2500, CoMat 07-038,
MTU – MTS 1254, NSN 8010-01-690-6633

Alternative to NSN 8010-99-2204993, 9306965, replaces AFS 1567. Alternative to PL82, E3892, 1912-A-8000, Textron approval, Alternative to International Paints Number HTA154 - P6430 & SSP501/502

Agusta Westland WHPS402, which contains both IP9189 and IP1938 for repair.

Performance:

Performance data applies only after 24 hours, tests on steel include:

- 1000 Hours at 500°C (930°F) dry heat
- 100 Hours at room temperature in Ester lubricants
- 3 Hours at 70°C (160°F) in Skydrol
- 100 Hours continuous salt spray

Technical Data Sheet



Components:

Single component product. May be thinned with 665-550-025 Thinner for application.

Application:

Surface Preparation:

Substrate must be clean and grease free as a minimum. May be applied over abraded, phosphate or chromated substrate.

Paint Preparation:

Stir well before use. All separated material must be re-incorporated into the bulk product. No time limits are specified for the mixing operation. The operator must be satisfied that the product including any thinning solvent is thoroughly mixed before use. Where mechanical mixing is employed care must be taken to not heat the product to above the maximum storage temperature. Mixing in open containers should be limited to <10 minute periods to ensure that solvent evaporation does not compromise the product. Shaking or rolling in closed containers is an acceptable mixing method for small volume products supplied ready for use.

Application Method:

Intended for spray application. Small areas may be brushed.
Aerosol version available; please consult our Sales Department.

Drying Curing:

Allow to air dry for a minimum of 1 hour before handling.

Technical Properties:

Supply Viscosity:	Supplied ready for use
Flash Point:	25 – 27°C closed cup
VOC Content:	330g/litre
Colour:	Aluminium
Pack Size:	1 and 5 litres Also available in 400ml Aerosol (x12)
Density:	1.03 kg/litre
Gloss:	N/A
Thinner:	665-550-025
Solvent/Clean Up:	40006
Catalyst:	N/A

Technical Data Sheet



Theoretical

Coverage:
microns dft

23 sq/m per litre @ 25

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

Disclaimer:

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Safety Data Sheets:

For Safety Data Sheets please contact our Sales Department:

Tel: +44(0)121 702 2485

Email: sales@indestructible.co.uk