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**Product Name:** Aluminium Loaded Polyimide (PL165) MSRR 9134

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**Product Number:** IP9134

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**EU REACH status:** Contains CAS: 872-50-4 which is classified as a SVHC. The future of this chemical is under discussion. SVHC status may lead to restriction for use by authorised users or the chemical may be banned under the REACH process.

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**Product Description:** Highly heat resistant aluminium loaded polyimide stoving enamel with good, marine environment, corrosion and aircraft fluid resistance. The coating is suitable for operating temperature of up to 300°C (570°F).

Also available in Khaki (IP9134-KHAKI).

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**Approvals/Specifications:**

- MSRR 9134
- AFS 1566
- MTU: MTS 1521
- NSN: 8010-99-192-5127
- IP9134-R1 (Alternative to PL165) Used in conjunction with PL163 – for example coating magnesium on the inside of the European Fighter Aircraft gearbox at temperatures up to 300°C (570°F).

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**Performance:** PL163 is tested to the following minimum specifications; actual performance is far in excess of the following:

- **Heat Resistance:** 100 hours at 300°C (570°F)
- **Salt Water Fog:** 100 hours
- **Skydrol:** 3 hours at 70°C (160°F)

Also used in conjunction with IP9310 and IP9029 for protecting magnesium running at 300°C (570°F) for example on the viper engine.

Tested to be resistant to 5 Kv at film thicknesses of approximately 80 microns.

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**Components:**

Single Pack Product. May be thinned for application using S30

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**Application:**

**Surface Preparation:** Degrease abrasive blast and pre-treat as per individual specification

**Paint Preparation:** Stir well before use. May require thinning 5-10% with S30.

**Application Method:** Application by conventional spray or HVLP

- Drying Curing:**
- Apply to RPS 661/22
  - Heat the object to be coated between 120 and 150°C (250-300°F) immediately prior to painting.
  - Spray one coat on to the heated object, when the object temperature reaches approximately 60°C (140°F), return it to the oven and reheat.
  - The coating shall then be stoved by heating the component to 150°C (300°F) for 30 minutes.
  - Apply second coat following the procedure as for the first coat. Repeat the operation until the required film thickness is achieved; flash off for 20 minutes, then stove at 185-195°C (365-385°F) for 2 hours for full cure.
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**Technical Properties:**

<b>Supply Viscosity:</b>	35-45 seconds B4 cup
<b>Flash Point:</b>	>44°C
<b>VOC Content:</b>	715g/litre
<b>Colour:</b>	Aluminium
<b>Pack Size:</b>	1 & 5 Litres
<b>Density:</b>	1.24 kg/litre
<b>Gloss:</b>	Glossy
<b>Thinner:</b>	S30
<b>Solvent/Clean Up:</b>	S30

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# Technical Data Sheet



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<b>Catalyst:</b>	N/A
<b>Theoretical Coverage:</b>	14m <sup>2</sup> /l @ 20 microns

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<b>Storage:</b>	Highly flammable liquid: store and use in accordance with the flammable liquid regulations
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**Shelf Life:** 12 months temperate; 6 months tropical

**Before use, refer to Product Safety Data Sheet**

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## Safety Data Sheets:

For Safety Data Sheets please contact our Sales Department:

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