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**Product Name:**Ipseal Range

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**Product Number:**

- IP9184- GREEN – Green
  - IP9184-KH-R1 – Khaki
  - IP9184-BLACK - Black
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**Product Description:**

Ipseal is an inorganic protective coating used as a barrier on IPCote IP9183 and IP9183-R1, IP9253, PL219, IPThin IP9356.

Khaki Iperseal IP9184-R1 is now the most popular colour and more closely resembles Sermetal 570.

All of the above are conductive, sacrificial coatings and inherently porous. Iperseal seals this porosity without detracting from their sacrificial properties. It also creates an electrically non-conductive barrier coat. The use of Iperseal on top of these products results in a smoother, harder coating which provides a barrier against carbon deposits etc extending the useful life of the base coat and a smoother finish which enhances airflow characteristics and therefore engine efficiency.

IP9184 is for use at temperatures up to 800°C (1400°F). This material also has capabilities as a coating in its own right, being water based with no VOC's, this coating has high temperature resistance up to 800°C on such metals as nickel. It has shown a 70% reduction in Alpha Case corrosion on titanium at 650°C at 3-5 microns.

See also Smoothseal IP9444 to MSRR 3010 and LR 1127 Black for exhaust coatings.

For touch up's refer to PL270 for Khaki and PL150-R1 for Green.

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**Approvals/Specifications:**

- MSRR 9140 (Previously MSRR 9355)
  - IP9184-R1 Khaki, Rolls Royce Code: 139265
  - IP9184-Green, Rolls Royce Code: 139560
  - Omat 7/168B – Khaki
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- Omat 7/168G – Green
- NSN: 8030-99-434-2295
- Messier Dowty: PS2550
- Turbomeca LB714
- Alternative to Sermetal 570
- A50TF196 Class F

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## Performance:

- Tested to specification MSRR 9140 (Under test to CPW 404)
- Smooth eggshell finish
- Typical film thickness 4-6 microns per coat (0.2 thou)
- Operating temperature -40°C to 800°C (1420°F)
- Less than 0.6% hexavalent chrome

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## Components:

Single Pack Product. May be thinned with water for spray application. Where low humidity is present within a spray facility the addition of 5-10% by volume of water may be required.

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## Application:

### Surface Preparation:

Ensure that surfaces are clean and dirt free

### 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:

Spray applied coating. Refer to application sheet IPAS666

### Drying Curing:

**Air Dry:** 10 Minutes

**Heat Cure:** Pre-bake for 30 minutes @ 80-100°C, 30-60 minutes @ 350°C

# Technical Data Sheet



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## Technical Properties:

<b>Viscosity:</b>	37-43 ISO3 Cup @ 23°C
<b>Solids:</b>	45-51
<b>Flash Point:</b>	N/A
<b>VOC Content:</b>	0g/litre
<b>Colour:</b>	Green; Khaki; Black
<b>Pack Size:</b>	1 and 5 Litre
<b>Density:</b>	1.3 kg / litre
<b>Gloss Level:</b>	N/A
<b>Thinner:</b>	Water
<b>Solvent/Clean Up:</b>	Water
<b>Theoretical Coverage:</b>	29.8 sq m / litre @ 10 micron

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## Storage:

**Shelf Life:** 12 months Temperate, 6 months Tropical

**Before Use Please Refer to Product Safety Data Sheet**

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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](mailto:sales@indestructible.co.uk)