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**Product Name:**

Mica Impregnated Insulating Coating

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**Product Number:**

PL95-R1

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**Product Description:**

PL95-R1 is an insulating coating for application to aero engine components. It will give excellent resistance to heat, corrosion, lubricants, coolants and fuels.

The cured coating can be machined to produce accurate dimensions on working surfaces.

This product has been evaluated by Rolls Royce as having conductivity of  $2.2 \times 10$  watts/meter/ $^{\circ}\text{C}$  in 1972.

The R1 version has been re-formulated to comply with new environmental requirements, this modification has made it easier to apply a thicker coating.

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**Approvals/Specifications:**

- MSRR 9054
  - Rolls Royce Code: 139007
  - 4862 C 8095
  - E3745
  - OMat 773
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**Performance:**

PL95-R1 has been tested to the following: tests show a minimum specification and are exceeded by actual performance:

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|--|-----------|
| - Dry heat resistance at $500^{\circ}\text{C}$ ( $930^{\circ}\text{F}$ ):            | 100 hours |
| - Ester Lubrication resistance at $150^{\circ}\text{C}$ ( $300^{\circ}\text{F}$ ):   | 100 hours |
| - Skydrol resistance at room temperature:  | 100 hours |
| - Skydrol resistance at $70^{\circ}\text{C}$ ( $160^{\circ}\text{F}$ ) at room temp: | 3 hours   |
| - Salt water fog resistance:   | 100 hours |
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**Components:**

Single Pack Product.

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## Application:

**Surface Preparation:** Ensure that all surfaces are clean and free from dirt, grease and oil.

**Paint Preparation:** Shake/ stir well before use. This product is highly pigmented and will settle on storage.

**Application Method:** Apply with conventional spray using the following technique:

- Apply one coat and allow to stand for 3 minutes
- Apply a second coat and either:
  - o Air dry for 30 minutes
  - o Stove at 65-75°C (150-175°F) for 20 minutes
- Apply further wet on wet coatings with subsequent air drying or stoving until the required thickness is obtained – usually 3 applications

**Drying Curing:**

- If air drying between coats has been used; 30 minutes at 145-155°C (295-310°F), followed by 2 hours at 185-195°C (365-385°F)
- If stoving has been used between coats; 2 hours at 185-195°C (365-385°F), after 30 minutes flash off.

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## Technical Properties:

<b>Supply Viscosity:</b>	2500 to 2700 CPS
<b>Flash Point:</b>	27°C
<b>VOC Content:</b>	-
<b>Colour:</b>	Slate Grey
<b>Pack Size:</b>	1 & 5 Litres
<b>Density:</b>	1.28kg/l ± 2%
<b>Gloss:</b>	Semi-Matt
<b>Thinner:</b>	IP9151 or IP985-Reducer <b>IP985-REDUCER is preferred.</b> IP9151 is still approved for use but is no longer a preferred solvent as it

triggers risk phrase R40. Other solvents may be suitable in certain circumstances

**Solvent/Clean Up:** IP9151 or 40006 Gunwash

**Catalyst:** N/A

**Theoretical Coverage:** -

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