

# Technical Data Sheet



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**Product Name:**

Gloss Black Heat Resistant Coating

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**Product Number:**

IP46-9000-H

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**Product Description:**

High temperature one part silicone coating that will air dry to a handleable finish and withstand operating temperatures of up to 600°C after baking. The coating is permanently resistant against temperatures up to 300°C combined with good solvent and chemical resistance for use on hot ducting, furnaces, chimneys and electrical equipment. Also used on jet engines, and jet pipes

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**Approvals/Specifications:**

Meets the performance requirements of Mil-C-13370

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**Performance:**

Tack free physical air drying after approximately 30 minutes. Over coating time approximately 1 hour. Maximum resistance to solvents after 24 - 48 hours. To achieve optimum properties the coating should be run for 2 - 4 hours at temperatures of above 180°C.

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**Components:**

Single Component Product. To be used with Thinner 665-550-025 or IP985-Reducer

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**Application:****Surface Preparation:**

Ensure that surfaces are clean and free from dirt. All previously coated surfaces must be thoroughly stripped of coating or the previous coating should be assessed to ensure heat resistance comparable to the IP46 coating.

**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

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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 application, wet on wet coats to give film weights of 52-85g per square meter.

Indestructible method IPAS 15: Rolls Royce parts apply for RPS 661/15 for full process specs.

## Drying Curing:

Stove after 30 minutes flash off for 2 hours at 185-195°C (365-385°F). Apply for RPS 661/15 for full process specs.

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## Technical Properties:

<b>Supply Viscosity:</b>	Ready for Use
<b>Flash Point:</b>	25°C
<b>VOC Content:</b>	480 g/lit mixed
<b>Colour:</b>	Black
<b>Pack Size:</b>	5 litre
<b>Density:</b>	1.09 g/ml
<b>Gloss:</b>	Bakes to glossy finish
<b>Thinner:</b>	665-550-025 or IP985-Reducer
<b>Solvent/Clean Up:</b>	40006
<b>Catalyst:</b>	N/A
<b>Theoretical Coverage:</b>	16 sq m/lit @ 25 micron

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## Storage:

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

**Shelf Life:** 6 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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