
Product Name:

High Heat Erosion Coating White MSRR9188

Product Number:

IP9188-R2

Product Description:

Latest generation of products developed with the environment in mind – Toluene Free.

IP9188-R2 is an erosion resistant stoving coating, resistant to heat, corrosion and aircraft fluids. Suitable for use on steel and aluminium components with a continuous running temperature of less than 280°C (535°F), for use on engine components operating up to 250°C.

This material is now only normally made in white as a standard product, although it can be made to BS381C-693 (Rolls Royce Grey) and BS381C-175 (Blue), and other colours including BS381C-631. Please specify the colour required when placing an order.

Current uses include impellers in gas compressors pumping North Sea gas from offshore platforms. Resistant to Hydrogen Sulphide and Carbon Dioxide which is used to protect rough casting against corrosion and crusting.

Approvals/Specifications:

- MSRR9188, OMat 7/5E
 - Alternative to SE164, PL250 and 3862-X-0000
 - Performs to DTD900 / 6002, MTU-MTS
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Performance:

Routinely quality tested to meet the following parameters:

- 100 hours dry heat @ 300°C (575°F)
 - 100 hours ester lubricant @ 150°C (300°F)
 - 3 hours skydrol @ 70°C (160°F)
 - 100 hours engine fuel @ 150°C (300°F)
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Components:

Single component baking product. May be thinned using IP985-Reducer or IP9151.

IP985-REDUCER is preferred. 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

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:

Designed for Spray application. Application procedure IPAS 016

Drying Curing:

Spray one coat and flash off for 20 minutes, apply a second coat and flash off for 30 minutes. Then stove for 2 hours at 185-195°C (365-385°F). Repeat process if greater film thickness is required.

Technical Properties:

Supply Viscosity: 45-55 s ISO 4 @ 23°C

Flash Point: 24-26°C closed cup

VOC Content: 537 g/litre

Colour: White

Pack Size: 1 and 5 litre

Density: 1.23 kg/litre

Gloss: Semi-Gloss

Thinner: IP985-Reducer or IP9151
IP985-REDUCER is preferred. 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: 40006 Gun Cleaner

Catalyst: N/A

Theoretical Coverage: 16 sq m/litre @ 25 micron

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

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Safety Data Sheets:

For Safety Data Sheets please contact our Sales Department:

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