

Product Name

NEW DECEMBER 2002 EROSION AND HEAT RESISTANT COATING

Product Description

Latest generation of product developed with the environment in mind. Xylene and toluene free in accordance with our own ISO 14000, and in line with CPW 625 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 others including BS 381c - 631

Current uses include the impellers in gas compressors pumping North Sea gas from offshore platforms. Resistant to hydrogen sulphide and carbon dioxide; used to protect rough casting against corrosion and crusting.

Approvals

MSRR9188 OMAT 7/5D (Alternative to SE164; PL205; and 3862-X-0000)
Similar to DTD 900/6002
MTU – MTS

Performance

Tested to the following minimum specification, actual performance is, of course, in excess of this.

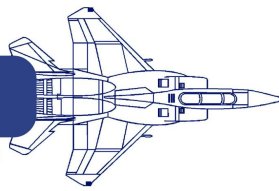
100 Hours dry heat at 300°C (575°F)
100 Hours ester lubricant resistance at 150°C (300°F)
3 Hours Skydrol resistance at 70°C (160°F)
100 hours engine fuel at 150°C (300°F)

Application

Spray one coat and flash off for 20 minutes, apply second coat and flash off for 30 minutes.

Stove for 2 hours at 185-195°C (365-385°F). Repeat process if greater film thickness is required.

May be applied by brush over small areas.



Physical Properties

Mixing Ratio	One part product
Thinner	665-555-027
Supply Viscosity	50 – 60 seconds ISO 4 cup ; 30-35 seconds B4
Cup	
Colour	Off White: ex-stock; Blue and Grey 693: special
order	
Gloss Level	Semi Gloss
Film Thickness	25 Microns Per Coat
Flash Point / Class / UN No	44°C / Class 3 / Paint UN1263
Pack Size	1 & 5 litre containers
Shelf Life	12 months

Notes

IP 9188R1 SKYDROL RESISTANT XYLENE, AND TOLUENE FREE HIGH TEMPERATURE EROSION COATING

Please note that IP99188 has been superseded by IP9188R1

IP9188 contained xylene and toluene .

Xylene and toluene have become restricted raw materials in the United Technology Group which includes Pratt and Whitney, Sikorsky, Hamilton Standard and others. (Refer to The Green Engine publication, and CPW 625)

In an effort to ensure that more environmentally friendly products are available, Indestructible Paint has re formulated IP9188 as IP9188R1 .

IP9188R1 removes xylene and toluene, and coincidentally has improved its brake fluid resistance. Designed to reflect the environmental pressures placed by Aero engine companies working together, Rolls Royce encouraged the development of this completely new product as they are working together with P & W on the JSF (Joint Strike Fighter).

It is fully approved by Rolls Royce and was incorporated into MLC 104 on 22nd August 2002.

Viscosity may be different from the original IP9188,. The new IP9188R1 is spec'd at 30 – 35 seconds B4, or 50 – 60 seconds Iso 4 cup.

Please consult us if you have any queries concerning this alteration.