
Product Name:

Green Ipseal H/T Inorganic. Seal. MSRR9140

Product Number:

IP9184-GREEN

Product Description:

Ipseal is an inorganic protective coating used as a barrier on Ipcote IP9183-R1, IP9253, PL219, Ipthin IP9356.



All of the Ipcote coatings are conductive, sacrificial coatings and inherently porous. Ipseal seals this porosity without detracting from their sacrificial properties. It also creates an electrically non-conductive barrier coat. The use of Ipseal 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.

For repair touch up's refer to PL150 Green PL270 for Khaki Ipseal

EU REACH Status

This coating contains Chromium Trioxide: CAS No: 1333-82-0. This is classified as a SVHC, and under annex XIV has a sunset date of September 2017. Continued use of this coating after this date will be restricted to authorised uses (uses 1, 4 & 5 as defined in authorisation) under the REACH chemical restriction process, for a defined time period: 4 years for industrial uses and 7 years for aerospace use.

The chrome Trioxide used in manufacture is sourced from one of the 7 sub applicants to CTAC as mandated. Indestructible was one of the original CTAC applicants as evidenced by the attached Jones Day letter

Approvals/Specifications:

- MSRR 9140 (Previously MSRR9355)
- IP9184-KH-R1 Green; Rolls Royce Code: 139265
- Omat 7/168B – Green
- NSN: 8030-99-434-2295
- Turbomeca LB714
- GE A50TF169F
- Alternative to Sermaseal 570

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

Components:

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

Application:

Surface Preparation:

Ensure that surfaces are clean and dirt free.

Paint Preparation:

Stir well before use. All separated materials 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 (de-ionised or demineralised water) 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

Technical Data Sheet



- Heat

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

Technical Properties:

Supply Viscosity:	37-43 ISO3 Cup @ 23°C
Solids:	45-51
Flash Point:	N/A
VOC Content:	0g / l
Colour:	Green
Pack Size:	1 and 5 Litre
Density:	1.3kg / litre
Gloss:	N/A
Thinner:	De-ionised or demineralised Water
Solvent/Clean Up:	Water
Theoretical Coverage:	29.8 sq m / l @ 10 micron

Storage:

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:

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