

IP9136 R3

Graphite Filled Skydrol Resistant Dry Film Lubricant



Product Description

Spray applied, stoving cured, silicon resin modified dry film lubricant for use where high operating temperatures preclude the use of conventional oils and greases. Suitable for application to steel, aluminium, magnesium and titanium alloys.

Used on, for example spherical bearing surfaces to protect against fretting corrosion and on bolts for torque and gives an exceptionally good rubbing wear resistance.

When used on bolts, it increases torque end loads. It is also used on turbine blade roots and fir trees where it reduces the likelihood of the disc splitting



Approvals/Specifications

MSRR 9276, OMat 4 / 44C, CPW 27 | Alternative to the no longer made PL239 (3862X9010) AFS473, which superseded PL94 in about 1984



Performance

Resistant to dry heat up to 400°C (750°F) in oxidizing atmospheres and 500°C (930°F) where oxygen is excluded, ester lubricants, Skydrol and corrosion.

Tri-n-Butyl-Phosphate: 3 hours @ 70°C

Dry Heat: 1000 hours at 400°C



Components

Single Part Product. May be thinned for application using IP985-Reducer or IP9151



Application

Surface Preparation



Ensure that surfaces are clean and free from dirt.

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

Application Method



compromise the product. Shaking or rolling in closed containers is an acceptable mixing method for small volume products supplied ready for use.

Spray a light coat and allow to dry for 10 - 20 minutes @ room temperature, 15-30°C, stove for 2 – 2.5 hours at 190 +/- 8°C (375°F). Where spraying is not possible small areas may be coated by brush.

Part cure procedure – where components require coating on multiple faces and/or multiple masking procedures, IP9136-R3 may be part cured to allow handling.

For this process a baking schedule of 30-40 minutes @ 150 +/- 8°C may be used.

The low bake allows parts to be handleable only. Full curing of the coating is only achieved after the full baking cycle.

Refer to RPS 661 / 10 for additional client specific details.

Drying Curing



Air Dry for 10-20 minutes @ room temperature, 15-30°C, then stove for 2 – 2.5 hours at 190 +/- 8°C (375°F)



Technical Properties

Supply Viscosity	Ready for use
Flash Point	27°C
VOC Content	N / A
Colour	Grey
Pack Size	1 & 5 Litres
Density	1.03 kg / litre
Gloss	N / A
Thinner	IP985-Reducer or IP9151
Solvent/Clean Up	40006 Gun Clean
Catalyst	Ready for use
Theoretical Coverage	13.5 sq m/litre @ 25



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



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