

Technical Data Sheet



Product Name: IP7420-RANGE

Product Number: 2pk Epoxy PTFE Dry Film Lubricant

Product Description: A 2-part air drying PTFE loaded epoxy finish used to provide an abrasion and wear resistant coating. The Dry finish is resistant to abrasion, corrosion and most vehicle operating fluids and chemical attack from brake fluid. This product range can also be used as an air-drying repair touch up coating to the IP7985 range.

Approvals/Specifications: Complies with the Environmental Resistance and Chemical Resistance criteria of: Def Stan 80-161
ITP spec SMM 741 (repair touch up to SMM738)

Performance: Tested as a system with IP9064-6362 Primer on Magnesium, Aluminium and Steel to the following minimum specification:

- Resistant to 100 hours in salt water fog
- Resistant to 100 hours dry heat at 180°C
- Resistant to 100 hours at 150°C in lubricating oil
- Resistant to 100 hours at 180°C in dry heat
- Resistant to 100 hours with engine fuel

Components:

- IP7420-Base (Part A)
- IP7420-CAT (Part B)

IP9064-Thin (may be added if required for coating complex unit geometry).

Application:

IP7420 coatings can be applied directly to metal or composite substrates or used over a suitable primer system. Suitable Primers are IP9064-6362 Chromate Primer and IP9064-6500 Non-chromate Primer.

For Composite applications it is recommended that the adhesion of IP7420 is tested before use.

Surface Preparation:

Ensure that all surfaces are clean and free from dirt.

Paint Preparation:

Paint Mixing – the IP7420 requires mixing before use. Mix the Part A component and then add to the Part B. The coating can be mixed by add in A to B or B to A dependent upon the volume required and available measuring vessels.

Mixing Instructions: Refer to product range listings and label on the base component.

The Part A+B mix requires thorough stirring before use. A minimum 2 minutes per litre of product is recommended.

Mixed Pot Life: 4 hours at ambient 17-23°C

Thinner/Reducer Addition: 665-550-025 Thinner

Application Method:

Apply by spray; Small areas can be applied by brush

Drying Curing:

Air Dry:

- *Touch Dry:* 2-3 hours
- *Hard Dry:* 16-24 hours

If you can flash off for 15 minutes and the force cure for 30 minutes at 115°C +/- 10°C.

Heat Cure:

- *Flash Off:* 20-30 minutes
- *Cure:* 30 minutes @ 115°C +/- 10°C

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Technical Properties:

Supply Viscosity:	70 – 100 seconds ISO5 @ 23+/- 2°C
Flash Point:	25 °C
VOC Content:	400-480 g/l
Colour:	Available in a Variety of colours
Pack Size:	1 & 5 litre
Specific Gravity:	1.02-1.40 kg/litre
Gloss:	Available in a Variety of Gloss Levels
Thinner:	665-550-025
Solvent/Clean Up:	40006 or 665-550-025
Catalyst:	IP7420-CAT
Theoretical Coverage:	15 sq m/litre @ 25 micron

Storage:

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

Shelf Life: 12 months Temperate; 6 months Tropical

Before Use Please Refer to Product Safety Data Sheet

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Safety Data Sheets:

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