

IP9029-R2

High Heat Resistant Lead Free Stoving Aluminium

Xylene and Toluene Free

Description & Uses

A few products are dual sourced, but there are many instances where Indestructible Paint Companies technical development has provided alternatives. IP9029-R2 is one example as a replacement for PL101, a higher heat resistant stoving enamel than PL101 and IP9139. With heat resistance increased from 500°C to 650°C, it also has superior thick film forming properties at up to 6 thou (150 microns). As part of the evolution of these high performance products, this has been developed Xylene and Toluene free for certain US applications.

It has been warmly welcomed in America as being superior to the US spec: TT-P-28 for corrosion resistance to Skydrol and gear fluid.

Approvals & Relevant Specifications

- MSRR 9029
- Omat 7/1A
- Similar to BAEP 3519 (Pending PWA 578F)
- Alternative to AFS 977, PL101C2, E3746, 4863-A-8000 and Glyptal Number: 86009-P6430 & SSP501/502
- Allison EMS 26710
- Supersedes IP9139 and IP9029-R1
- Allied Signal / Textron
- Significantly superior to TT-P-28, but does not air dry
- Honeywell P6430
- NGPS 134
- NSN: 8010-99-258-2056, 8010-99-749-4329

Performance

This material significantly exceeds the performance test for MSRR 9029, PWA 578, Textron and TT-P-28 tests on steel. Testing includes:

- 100 Hours at 650°C (1200°F) dry heat
- 100 Hours at 150°C (300°F) in Ester lubricants with 100 gram scratch resistance
- 3 Hours at 70°C (160°F) in Skydrol and 100 gram scratch (better than previous product)
- 100 Hours continuous salt spray
- 10 Cycles 220°C (430°F) 4 hours – 20 hours salt spray cabinet BSTM.B117

Indestructible

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Application Instructions

Surface Preparation: Ensure that surfaces are clean and dirt free

Pre-Treatment: One Part Product

Thinner/Reducer Addition: IP9151 or 665-555-027

Application Method: Spray application, wet on wet coats to give film weight of 52-85g per square meter.

Curing

Stove after 30 minutes, flash off for 2 hours at 185-195°C (365-385°F). Apply for RPS 661/15 for full process spec.

Technical Properties

Viscosity: ISO 4 Cup @ 23 +/- 2°C; 38-48 Seconds

Class / UN Number: Class 3 / UN 1263

Specific Gravity: 1.11 g / cm₃

Colour: Aluminium

Gloss Level: Semi-Matt

Supply Solids: 41+/-2%

Film Thickness: 25-70 Microns

Flash Point: 24-27°C

Supply VOC: 650 Gm / Litre

Theoretical Coverage: 280 m² / Litre. Micron at 100% transfer efficiency

Storage – Health & Safety

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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