
Product Name: High Heat Resistant Lead Free Stoving Aluminium – Toluene Free

Product Number: IP9029-R3

Product Description:

A few products are dual sourced, but there are many instances where Indestructible Paint companies technical development has provided alternatives. IP9029-R3 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 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/Specifications:

- MSRR 9029, OMat 7/1D
 - Similar to BAEP 3519 (Pending PWA 578F)
 - BAE AVP 3-013 replacing BAEP 3519
 - Alternative to AFS 977, PL101C2, E3746, 4863-A-8000
 - Glyptal Number: 86009-P6430 and SSP501/502, Allison EMS 26710
 - Supersedes IP9139 and IP9029-R1; IP9029-R2, Allied Signal/Textron
 - Significantly superior to TT-P-28, but does not air dry
 - Honeywell P6430, NGPS 134, NSN: 8010-99-258, 8010-99-749-4329
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Performance:

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

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- 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

Components:

Single component product. May be thinned for application with IP985 Reducer or IP9151.

IP985-REDUCER is preferred. IP9151 is still approved for use but is no longer a preferred solvent as it triggers risk phrase R40. Other solvents may be suitable in certain circumstances

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 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 application, wet on wet coats to give film weights of 52-85g per square meter.

Indestructible method IPAS 15: Rolls Royce parts apply for RPS 661/15 for full process specs.

Drying 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 specs.

Technical Properties:

Supply Viscosity:	32-38 secs/ISO 4 cup @ 23+/- 2°C
Flash Point:	≥22°C & ≤32°C
VOC Content:	650 g/litre
Colour:	Aluminium
Pack Size:	1 and 5 litre
Density:	1.13 kg/l
Gloss:	Semi-Matt
Thinner:	IP985-Reducer or IP9151. IP985-REDUCER is preferred. IP9151 is still approved for use but is no longer a preferred solvent as it triggers risk phrase R40. Other solvents may be suitable in certain circumstances
Solvent/Clean Up:	40006 Gun cleaner
Catalyst:	N/A
Theoretical Coverage:	12.5 sq m/litre @ 25 microns

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 Sheets.

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Technical Data Sheet



Issue 1

Safety Data Sheets:

For Safety Data Sheets please contact our Sales Department:

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