

AIR DRYING, BRUSHING OR SPRAYING CHEMICAL RESISTANT INTUMESCENT PAINT



IP Code No - IP9189A & IP9189B

Product Description -

A two pack, spray or brush applied, air drying or force dry intumescent coating for application to aircraft, turbine components and other products made from GRP, titanium, aluminium, polyurethane foam, or other substrates from effects of fire. The coating thickness can be as little as 1/10th of alternative coatings. Designed to be a more resistant and adhesive coat after being burned to resist high air movement over the intumesced coating. Supplied for use either brushing or spraying.

Approvals/References/Specs -

Rolls Royce MSRR 1055, Eurocopter Deutschland

Under review by Short Brothers, Lucas, Pratt & Whitney, Westland, and others.

Complies with FAA 5 minute fire resistance test, being reviewed against 15 minute FAA fire proof test.

Performance -

With stands 180°C (360°F)100 hours, and humidity when air dried two weeks or force cured 30 minutes at 125°C (255°F).

3 Hours at 70°C Skydrol resistant - Pass Adhesion X Hatch - Pass

Withstands 1100oC burner test for 5 minutes when film thickness is at least 300 microns

Typical performance is demonstrated as follows:

Two 0.6² metre panels of 4 mm anodised aluminium, one coated with IP9189 using the described method and the other left uncoated. Both are pressurized to 5 p.s.i. An S.A.E 15 cm diameter propane burner (116350 BTU) is positioned 10 cm from the centre of each panel.

Effect of Heating Non Coated Panel/Coated Panel

1 Minute - Panel distorted outwards Panel intact.

2 Minutes - Deterioration rapidly increasing Intumescent paint barrier formed and holds to substrate.

2 Minutes + - Explosion, panel split centre blown out. No change.

5 Minutes - Panel completely melted. Condition satisfactory internal pressure maintained.

Application -

APPLY FOR RPS 661/47

Air Dry Force Dry

- Apply two coats wet on wet 1 Apply two coats wet on wet, air dry
- Air dry 1 hour 15 minutes, then stove 30 minutes at 120°C
- Apply two coats wet on wet 2 Apply two coats wet on wet, air dry
- Air dry 1 hour 15 minutes, then stove 1 hour at 150°C
- Apply one very thin coat IP9064 (air drying clear) 3 Apply one thin coat IP9064 (air drying
- Leave 7 days at room temperature to obtain full cure. (clear) , allow to dry for 1 hour minimum

- Apply for RPS 661/47

Physical Properties -

Mixing Ratio	8:1 (IP9189 B)
Thinner	665-550-025
Supply Viscosity	Ready for use when mixed
Colour	White
Gloss Level	Matt
Film Thickness	250 - 375 Microns - but more protection if applied thicker
Flash Point/Class/UN No	24°C / 3 / Paint UN1263
Pack Size	4 Litres IP9189 A : 500ml IP9189 B
Shelf Life	12 Months Temperate Climate / 6 Months Tropical
Health & Safety	Before use, refer to or request product Safety Data Sheet