



IP3 – RANGE OF TOP COATS

IP CODE NUMBER: IP3 – Range of colours

PRODUCT DESCRIPTION

Epoxy top coat (enamel) range developed to take account of US environmental pressures, particularly the United Technologies (Pratt and Whitney, Sikorsky, Hamilton Standard) initiative, this range contains not only low VOC's, but also no lead, xylene, or toluene. As a chromate free system, used over IP3-6500, or over IP3-6362 as a chromate containing system.

APPROVALS / REFERENCES / SPECS

Complies with MSRR 9064; Def 80-161, supercedes DTD 5555; 5580; etc

PERFORMANCE

All over IP3-6500

Pot life ; not less than 4 hours at 60 – 80 o F ; 15 – 26oC

After 7 days air curing, or force cure 30 minutes at 80oC will pass;

- Heat resistance 48 hours at 400oF ; 204oC.
- Heat resistance 100 hours at 180oC
- Hot oil; 8 hours in ASTM Fluid 101 (ASTM D 471) at 350oF 177oC showing no peeling or softening
- Hot Lube oil 100hours at 150oC
- Fuel resistance ASTM ref fuel B 4 hours at room temperature without peeling or softening
- Fuel Resistance 100hours
- Skydrol hydraulic fluid resistance. 3hours at 70oC; 160oF
- Corrosion resistance; after exposure to heat (48 hours at 400oF) cross scratched X withstands 350 hours Salt spray ASTM B117
- Resistant to 10 cycles of 4hours at 250oC (300oF)20 hours salt fog
- VOC below 420gms
- Resistant to temperatures of down to at least - 40oC .

APPLICATION

Normally sprayed in accordance with end users instructions.

PHYSICAL PROPERTIES

Mixing Ratio	Refer to base container. For example 3 Parts IP3-8010: 1 Part IP3- CAT
Thinner	IP3-Thin
Supply Viscosity	Ready for use
Colour	Range of colours – often uses colour code eg 538 0 = Gloss P O Red
Gloss Level	As negotiated
Film Thickness	.013 - .038 mm in one coat (.0005 - .0015 ins)
Flash Point / Class / UN No	≥21°C & ≤32°C / 3 / Paint UN1263
Pack Size	1 & 5 litre containers
Shelf Life	12 months