

Product Name: Low VOC 2 Pack Polyurethane Finishes to BS2X34
A&B and MSRR 1006

Product Number: IP6 Range

Product Description: A low VOC (less than 420gm at application) air drying, pigmented polyurethane finishing scheme formulated to provide a flexible and chemically resistant coating for all light alloys used in aircraft construction, coupled with exceptional colour and gloss retention. Normally used in conventional VOC BSX 33 chromate primer or more recently our chrome free 2 pack epoxy primer and if necessary BSX 32 etch primer, or latest technology chrome free version.

Following requests from clients, new IP6-A range features identical resin systems to comply with all current testing and approvals, but formulated on revised solvent balance to aid application and atomisation to give a smoother, less orange peel finish.

Product Range:

Product Code	Description	Mixing Ratio (with IP6-CAT)
IP6-0000	Gloss White	2:1 (2.64:1.05)
IP6-0003	Matt White	5:2 (6.5:2.1)
IP6-1002	Semi-Matt Sand RAL 1002	2:1
IP6-1050	Gloss Oxford Blue BS 381 C-105	2:1 (2.07:1.05)
IP6-1053	Matt Oxford Blue BS 381 C-105	2:1 (2.48:1.05)
IP6-10-A-03	Gloss Light Grey to BS 4800-10-A-03 (C1674)	2:1 (2.64:1.05)
IP6-10-A-07	Gloss Grey to BS 4800-10-A-07	2:1
IP6-1151	Semi-Gloss BAC 707 Grey	2:1 (2.6:1.05)
IP6-1740	Gloss Green-Beige	2:1
IP6-16251	Rolls – Allison Colour Fed Stan 595-16251	2:1
IP6-2240	Deep Bronze Green Gloss	2:1 (2.35:1.05)
IP6-2853	Matt Nato Green (Manufactured with IRR Pigment)	2:1
IP6-27875	Semi Gloss Off White Fed Stan 27875	2:1 (2.64:1.05)

Product Code	Description	Mixing Ratio (with IP6-CAT) Volume mix (Weight mix,g)
IP6-3020	Gloss Traffic Red to RAL 3020	2:1 (2.08:1.05)
IP6-3560	Gloss Golden Yellow BS 381 C 288	2:1 (2.44:1.05)
IP6-3883	Matt Beige to BS 381 C 388	3:1 (3.87:1.05)
IP6-34087	Olive Drab to Fed Stan 595-34087	5:2
IP6-37038	2 Pack Polyurethane Black 2-3GU	2:1 (2.33:1.05)
IP6-5380	Gloss Cherry Red BS 381 C 538	2:1 (2.4:1.05)
IP6-5920	International Orange	2:1 (2.32:1.05)
IP6-5923	P/U International Orange BS381C 592 Matt	3:1 (3.99:1.05)
IP6-6003-3	Matt Olive Green RAL 3006	3:1 (3.72:1.05)
IP6-6011-3	Matt Light Green RAL 6011	5:2 (6.55:2.1)
IP6-6034-3	Matt Sky Blue RAL 6034	5:2 (6.45:2.1)
IP6-6270	Light Aircraft Grey BS 381 C 627	2:1 (2.56:1.05)
IP6-6273	Matt Light Aircraft Grey BS381 C 627	5:2 (6.45:2.1)
IP6-6293	Matt Dark Camouflage Grey BS 381 C 629	3:1 (3.9:1.05)
IP6-6320	Gloss Dark Admiralty Grey BS 381C 632	2:1 (2.4:1.05)
IP6-6370	Gloss Medium Sea Grey BS 381 C 637	2:1 (2.52:1.05)
IP6-6383S	P/U Matt Dark Sea Grey 6383 Dead Matt Finish for MBDA	5:2 (6.25:1.05)
IP6-6930	Gloss Aircraft Grey BS 381 C 693	2:1 (2.45:1.05)
IP6-6760	Gloss Light Weatherwork Grey	2:1 (2.56:1.05)
IP6-6932	Semi-Matt Aircraft Grey BS 381 C 693	3:1
IP6-6933	Matt Aircraft Grey BS 381 C 693	3:1 (3.99:1.05)
IP6-7001-3	Matt Grey RAL 7001	3:1 (3.87:1.05)
IP6-8014-3	Matt Brown RAL 8014	5:2 (6.35:2.1)
IP6-9000	Gloss Black	2:1 (2.08:1.05)
IP6-9003	Matt Black RAL 9005	2:1 (2.37:1.05)
IP6-37038	2 Pack PU Black (2-3 GU)	2:1
IP6-C9031	Silver to Meggitt Standard	2:1 (2.1:1.05)
IP6-Clear	Clear Gloss	2:1 (2.06:1.05)

Mixing Ratio Tolerance:

IP6 coatings have been tested to evaluate the influence of a $\pm 5\%$ variance in the volume or weight of Part A (base) and/or Part B (catalyst). Although under laboratory test conditions these variations can be accommodated by the coating it is recommended practice that all mixing (volumetric or by weight) should be as accurate as possible. When mixing small volumes please request the mix ratio by weight to achieve optimum blending accuracy.

Indestructible Paint Gloss Unit Parameters – All colours except Fed Stan 595

Gloss Level	Gloss Type	Gloss Unit
0	Full Gloss	>85 (for single pack acrylics this can be down to 80 units)
1	Semi-Gloss	45-65
2	Semi-Matt	10-30
2a	Eggshell	10-25
3	Matt	≤ 5
3a	Optical Matt	< 3

Fed Stan 595 Colours – This standard specifies the gloss ranges:

(The first digit of the colour code for Fed Stan 595 colours determines the gloss)

Gloss Level	Gloss Type	Gloss Unit
1	Gloss	80 minimum
2	Semi-Gloss	30-45
3	Flat or Lusterless	6 maximum