
Product Name: 2 Pack Polyurethane Conductive Coating Black

Product Number: IP-STAT6-BLACK

Product Description:

A conductive polyurethane finishing scheme formulated to provide a flexible and chemically resistant coating for aircraft applications. The coating is designed for the extreme environments relevant to aerospace, military and space applications where exceptional colour and gloss retention allied with environmental protection are key requirements. IP-STAT6-BLACK meets BSX 34 A&B when used with conventional BSX 33 chromate primer, or more recently our chrome free 2 pack epoxy (IP3) primer, and if necessary BSX32 etch primer, or latest technology chrome free coating.

Approvals/Specifications

- Approved / listed in Dowty PS 5632 (Dowty code: P999539)
- Designed to provide a surface conductivity meeting the requirements of PS5006
- BS2X 34 Type A and BS2X 34 Type B

Performance:

- **Pot Life:** 4 hours
- **Cupping Test:** No cracking Indentation of 6mm
- **Impact Test:** No cracking at Indentation of 3.8mm
- **Adhesion:** 1mm spacing; ≤ class 1
- **Hardness:** No penetration under load of 1500gms
- **Water Resistance:** 168 Hours
- **Skydrol Hydraulic Fluid Resistance:** 1000 hours at 70 ±2°C
- **Artificial Weathering:** 500 hours UVB Lamps
- **Dry Heat:** 100 hours at 180°C
- **Conductivity:** 20 – 50 kohm tested using 500V dc with 6mm diameter damp cotton wool pads spaced at 25-35mm separation.

Components:

- IP-STAT6-BLACK (Part A)
- IP-STAT6-CAT (Part B)

Thinner / Reducer: IP-MEG-REDUCER; IP985 Reducer may be added if required for coating complex unit geometry.

Application:

Surface Preparation:

Ensure that all surfaces are clean and free from dirt, dust and oily contaminants. This coating is typically applied over primer-surfacer IP3-00015BLK.

Paint Preparation:

Pre-treatment: Usually applied over 2 Pack Low VOC Epoxy Primer (IP3-6700) or Primer Surfacer (IP3-00015BLK).

Mixing Instructions: Mix Ratio: 9:2 Parts by volume

Allow 10-15 minutes after induction mixing before use and re-stir before using. Mixed pot life is 4 hours.

Thinner/Reducer Addition: IP-MEG-REDUCER / IP985-REDUCER
Thinner selection is dependent on spray shop conditions and article.
May be thinned up to 10% by volume.

Application Method:

Apply by spray; it is recommended to use the latest quality compliant spray gun to allow for best transfer efficiency and atomisation. Can however be applied through conventional or HVLP guns.

Drying Curing:

Air Dry: Touch Dry; 2-4 hours & Hard Dry 16-24 hours

Force Cure: Flash off; 30-45 minutes; Cure; 60-90 minutes @ 60-80°C

Technical Properties:

Supply Viscosity: 600-800 cP, Spindle 4, 50RPM

Flash Point: 7-10°C

VOC Content: Mixed 650 g/l

Pack Size: 5 Litre

Density: Base 1.06kg/l, Cat 1.05kg/l

Gloss: Matt

Thinner: 665-550-025, IP985-Reducer, IP-MEG-Reducer

Solvent/Clean Up: 665-550-025, IP985-REDUCER, 40006
(gun wash)

Catalyst: IP-STAT6-CAT

Theoretical Coverage: 7.5 sq/m per litre

Storage:

Highly flammable liquid: store and use in accordance with the flammable liquid regulations.

Shelf Life: 12 months Temperate; 6 months Tropical

Before Use Please Refer to Product Data Safety Sheet

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Safety Data Sheets:

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