

Technical Data Sheet



Product Name:

Ready for use Elastomeric Erosion and UV Resistant
Coating Black

Product Number:

IP9212 Kit- Black

Product Description:

Multi pack Elastomeric coating formulated to provide excellent erosion resistance.

High performance chemical resistant elastomeric coating that provides exceptional erosion and UV resistance compared to typical exterior durable 2 pack coatings

Suitable for use in a variety of applications, but typically on aero engine spinners, wing leading edges, engine nacelle leading edges and radar housings for aero applications.

Independently tested for electrical transparency and rain erosion.

Performance:

Designed to provide a thick Flexible coating for the protection of surfaces against sand, dust, small particle and rain erosion.

The Cured Coating has been tested to 500 hours QUV exposure when applied over a 2pk Epoxy Base Layer. The combined coating is resistant to degradation of the top IP9212 PU layer and does not demonstrate UV Light damage to the base Epoxy coating thus preventing delamination of the coating from substrate.

Components:

- Part - A – IP9212-Kit-A Resin
 - Part - B – IP9212-Kit-B Catalyst
 - Part - C – Black Dye Solution
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Application:**Surface Preparation:**

Ensure surfaces are clean and free from any dust, dirt or surface contaminants.

Metals:

- Light shot blast

Base Coat Selection for IP9212 may be:

- (1) Apply 1 coat 2 pack etch primer to BSX32 (IP9064-4853) at 7-10 microns plus 1 coat of 2 pack strontium chromate primer to BSX33 (IP064-6362)
- (2) IP9064-6362 Chromate Primer, IP3-6362 Low VOC Chromate Primer, IP9064-6500 Chrome Free Primer or IP3-6700 Chrome Free Primer.

Composites:

IP9064 or IP3 2pk epoxy colour coat applied as adhesion promoter onto composite structures to provide primary bond layer and/or base colour.

Paint Preparation:

Mixing Ratio:

- Base A – 5 parts by weight
- Catalyst B – 2 parts by weight
- Colorant C – 1 part by weight

Stir thoroughly before use to ensure full mixing – mixed pot life is 20 minutes to 1 hour.

Note: Part A is viscous at low temperatures; ensure can contents are warmed before use.

Application Method:

Apply by spray, conventional, HVLP or compliant. If necessary, up to a further 10% reducer can be added.

Apply in smooth thin coats, building film thickness slowly. Do not try to apply in too thick films as this can lead to solvent popping. Intermediate coats can be gelled for 10 minutes @ 80±5°C

Drying Curing:

Force Cure:

- **Flash off:** 15-30 minutes
- **Cure:**
 - o **Pre Cure:** 30 minutes @ 80 ± 5°C

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Full Cure: 4 hours @ 125 ± 5°C

Air Dry:

- Dust Dry: 20-30 minutes
- Dry for overcoating: 20 minutes
- Hard Dry: 16-24 hours

Technical Properties:

Supply Viscosity:	Ready for Use
Flash Point:	3-5°C
VOC Content:	450g / litre
Colour:	Black
Pack Size:	8 kg kit
Density:	Part A: 0.94 g / ml Part B: 0.84 g / ml
Gloss:	Dries to glossy finish
Thinner:	MEK or IP-MEG-Reducer
Solvent/Clean Up:	40006
Catalyst:	Sold as Kit
Theoretical Coverage:	9m ² / kg per 50 micron

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 Sheet

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Safety Data Sheets:

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