
Product Name: Ready for use Elastomeric Erosion and UV Resistant Coating

Product Number: IP9212 Kit (Eros 1)

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.

Approvals/Specifications:

- Base (Part A) – components conforming to MSRR 9212
- Catalyst (Part B) – components conforming to MSRR 1040
- Thinner (Part C) – MEK or IP-MEG-Reducer

Mixed components may be applied in accordance with RPS 661/45 and/or other user specifications

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:

- Base A – IP9212-Kit-A
 - Base B – IP9212-Kit-B
 - Reducer – MEK or IP-MEG-Reducer
-

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.
- (3) **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 – IP9212-Kit-A: 5 parts by weight
- Base B – IP9212-Kit-B: 2 parts 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
 - o **Full Cure:** 4 hours @ 125 ± 5°C

Technical Properties:

Supply Viscosity:	Mixed Kit - Ready for Use Part A – 250 – 350 cP @ 23°C Part B – Solvent Viscosity
Flash Point:	3-5°C
VOC Content:	450g / litre
Colour:	Clear
Pack Size:	1.26kg 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: 6 months temperate; 6 months tropical

Before use, refer to Product Safety Data Sheet

Disclaimer:

The information printed in this publication is based upon the research and experience of Indestructible Paint Ltd. No representation of warranty is made, however, concerning the accuracy or completeness of the information presented in this publication. Indestructible Paint Ltd make no warranty or representation of any kind, express or implied. Including without information limitation any warranty or merchantability or fitness for any particular purpose, and no warranty or representation shall be implied by law or otherwise. Any products sold by Indestructible Paint Ltd are not warranted as suitable for any particular purpose to the buyer. The suitability of any products for any purpose in particular to the buyer is for the buyer to determine. Indestructible Paint Ltd assumes no responsibility for the selection of products suitable to the particular purpose of any particular buyer. Indestructible Paint Ltd shall in no event be liable for any special, incidental or consequential damages.

Safety Data Sheets:

For Safety Data Sheets please contact our Sales Department:

Tel: +44(0)121 702 2485

Email: sales@indestructible.co.uk