

Products:

Def 80-225 coating system:

Coating System Developed to meet the requirements of Def Stan 80-225 Paint system for Military vehicles and non-aircraft equipment. Issue 1 Dec 14 - 2018

Multi-Component Low VOC coatings available as Matt IRR and Gloss Non-IRR Chemical Agent Resistant finish.

Product Numbers:

PRIMERS:

IPLVPF1 - Type 1; Primer for Ferrous parts (approx. colour: BS381C: 627 Grey). Replacement for Def Stan 80-206

IPLVPCAT: - Activator for IPLV Primer

IPLVPNF2 - Type 2; Primer for non-Ferrous parts (approx. colour: 381C: 283 Grey Green) Replacement for Def Stan 80-207 Chromate Primer which became Reach non-compliant and illegal to use Jan 2019.

IPLVPCAT: - Activator for IPLV Primer

TOP COATS:

IPLVCARC - CARC Finish - various colours; primarily Nato-Green 285 (IPLVCARC-2853); Light Stone; 361 (IPLVCARC-3613); Camo Desert sand; 380 (IPLVCARC-3803). Replacement for Def Stan 80-208

IPLVCARC-CAT: Activator for IPLV CARC Topcoat

IPLVTCGL - Gloss Top coat finish. Replacement for Def Stan 80-209 - Various colours; primarily Nato Green 285 (IPLVTCGL-2850);

Light Stone; 361 (IPLVTCGL-3610); Camo Desert sand; 380 (IPLVTCGL-3800)

IPLVTC-CAT: Activator for IPLV Topcoat

The Purchaser will clearly state in the contract or order

- a) Type of Primer (e.g. Type 1 Ferrous or Type 2 Non-Ferrous)
- b) Gloss requirement of finish (Gloss – Non-CARC or Matt – CARC)
- c) Colour of finish

Product Description:

The IPLV coating system is intended to meet the requirements of def Standard 80-225. Supplied as a range of two component Primer meeting Type-1 Ferrous or Type-2 Non-Ferrous substrate protection requirements.

Suitable for Military Vehicles and Non-Flight Equipment the coating system is supplied in Matt or Gloss finish to a variety of colours. Chemical Agent Resistance and Infra-Red Reflectance (IRR, Matt finish) is available. This coating system replaces obsolete Def Stan 80-206, 80-207, 80-208, 80-209 systems and removes toxic hexavalent chrome from the coating system.

Approvals/Specifications:

- Formulated to meet the Primer and Topcoat requirements of Def Standard 80-225.
- Finish coating is externally tested to AEP 65.

Performance:

After 7 days air curing will pass;

Def Stan 80-225 - Primer Type-1 requirements

Def Stan 80-225 - Primer Type-2 requirements

Def Stan 80-225 - Topcoated system requirements

Chemical Agent Resistance to Stanag 4360 / AEP 65

Components:

Primer (type 1 & 2) – Parts A and B (base; activator)

Topcoat – Parts A & B (base; activator)

Thinner/Reducer – IPLV-THIN

Alternative Thinner/Reducer options are available to cover various temperature / humidity environments. Please refer requests for alternatives to Sales Contact.

Application:

Surface Preparation:

Ensure that all surfaces are clean and free from dirt

Paint Preparation:

- **Primer**
Base (part A): 3 parts by volume; **Activator (part B):** 1 part by volume
- Allow 15 minutes after mixing before use and re-stir before using.
- Can be thinned if required by the addition of up to 5% (volume) Reducer
- **Pot-Life:** not less than 4 hours at 60-80°F; (15-26°C)
- **Topcoat**
Refer to Base Can (part A) for Mixing Ratio.
- Allow 15 minutes after mixing before use and re-stir before using.
- Can be thinned if required by the addition of up to 5% (volume) Reducer
- **Pot-Life:** not less than 4 hours at 60-80°F; (15-26°C)

Application Method:

Apply by spray; Air Atomising or Airless Spray application may be used.

Drying Curing:

Air Dry:

Primer:

- **Touch Dry:** 45-55 minutes; **Hard Dry:** 16-24 hours

Chemical Resistance: Full chemical resistance is achieved after 6-7 days air drying

Force Cure:

- *Flash off:* 15 minutes; Cure: 20-30 minutes @ 125°C (250°F)

Overcoating

- Minimum drying time before over-coating, 4 hours at 18-20°C
- Coatings that are more than 4 days old may require light abrasion to ensure the full bonding of subsequent paint coats.

Technical Properties:

Supply Viscosity: May be applied at supply viscosity

Flash Point: Refer to SDS

Colour: Colours available on request

Pack Size: 5-litre (Primer or Topcoat, Part A)

Density: Refer to SDS section 9

Gloss: Primer – Matt
Topcoat – Matt or Gloss

Thinner: Refer to Representative

Solvent/Clean Up: 40006 Gun cleaner

Theoretical Coverage @ 100% transfer efficiency:

Primer; 12 m sq/lt @ 40-microns dft

Topcoat; 11 m sq/lt @ 40-micron dft

Storage:

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

Disclaimer:

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Safety Data Sheets:

For Safety Data Sheets please contact our Sales Department:

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