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**Products:**

**Range sheet of Def 80-225 system ; individual sheets available for each product**

**Def Stan 80-225 Paint system for Military vehicles and non-aircraft equipment. Issue 1 Dec 14 2018**

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

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**Product Number:**

**PRIMERS**

**IPLVPPF1** Type 1 ; Primer for Ferrous parts ( currently approx.: BS381C: 627 Grey ) Replacement for Def Stan 80-206

**IPLVPCat**

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

**IPLVPCat**

**TOP COATS**

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

IPLVCarc-Cat

**IPLVTCGL-2850** IPLVTCGL-2850 Gloss Top coat finish Replacement for Def Stan 80-209 Various colours ; primarily Nato Green 285 ; Light Stone; 361; Camo Desert sand; 380

IPLVTC- Cat

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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

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## Product Description:

This product line is a Multi-pack coating system intended to meet the requirements of def Standard 80-225. Supplied as a 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 finishes) 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.

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## Approvals/Specifications:

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

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## Performance:

After 7 days air curing will pass;

Primer Type-1 requirements

Primer Type-2 requirements

Topcoated system:

Chemical Agent Resistance to Stanag 4360 / AEP 65

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## Components:

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

Topcoat – Parts A & B (base; activator)

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Thinner – refer to representative for recommendation. Thinner / Reducer is available to cover various temperature / humidity environments.

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## 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; DeVilbiss Transtech Compact recommended, but HVLP guns can also be used.

### Drying Curing:

**Air Dry:**

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**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.

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**Technical Properties:**

<b>Supply Viscosity:</b>	May be applied at supply viscosity
<b>Flash Point:</b>	Refer to SDS
<b>Colour:</b>	Colours available on request
<b>Pack Size:</b>	5 litre (Primer or Topcoat, Part A)
<b>Density:</b>	Refer to SDS section 9
<b>Gloss:</b>	Primer – Matt Topcoat – Matt or Gloss
<b>Thinner:</b>	Refer to Representative
<b>Solvent/Clean Up:</b>	40006 Gun cleaner
<b>Theoretical Coverage @ 100% transfer efficiency:</b>	Primer; 12 m sq/lt @ 40 microns dft Topcoat; 11 m sq/lt @ 40 micron dft

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**Storage:**

Flammable liquid: store and use in accordance with the flammable liquid regulations

**Shelf Life:** 12 months temperate; 6 months tropical

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**Before use, refer to Product Safety Data Sheet**

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**Safety Data Sheets:**

For Safety Data Sheets please contact our Sales Department:

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