

# Technical Data Sheet



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**Product Name:**

Stoving Ammunition Varnish  
Varnish Def Stan 80-175 Class C

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**Product Number:**

IP80-175

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**Product Description:**

Type QX indicates that the material is of a quality suitable for certain applications with a high degree of compatibility with explosives. Originally approved under the reference CS1844 in 1943, this material has replaced the original codification. Used for example on nose caps for laser guided bombs.

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**Approvals/Specifications:**

The released product conforms to the obsolete DF 80-175 / Issue 1, CS 1944, TS 10162. Similar to MIL-V-13750B (MR) Formulation has not changed.

June 2006: awaiting confirmation QX approval

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**Performance:**

Approved by Ministry of Defence for resistance to the following:

- Scratch resistance
  - Cross cut test (adhesion)
  - Resistance to falling weight
  - Humidity BS3900, Part F9 for 10 days
  - Continuous salt spray BS3900, Part4 for 10 days
  - Resistance to swabbing for 20 seconds with a cotton wool pad soaked in white spirits BS245
  - Provides a low adhesive surface for cast explosives
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**Components:**

Single Pack Product. May be thinned for application by using IP80-27 Thin

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**Application:****Surface Preparation:**

Surfaces must be clean and grease free as a minimum. Coating may be applied over pre-treated substrate or bare metal.

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<b>Paint Preparation:</b>	Stir well before use. All separated material must be re-incorporated into the bulk product. No time limits are specified for the mixing operation. The operator must be satisfied that the product including any thinning solvent is thoroughly mixed before use. Where mechanical mixing is employed care must be taken to not heat the product to above the maximum storage temperature. Mixing in open containers should be limited to <10 minute periods to ensure that solvent evaporation does not compromise the product. Shaking or rolling in closed containers is an acceptable mixing method for small volume products supplied ready for use.
<b>Application Method:</b>	Brushing, spraying or dipping, Contact technical department for advice.
<b>Drying Curing:</b>	Stoving schedule air dry 15 minutes, stove 60 minutes at 140°C

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## Technical Properties:

<b>Supply Viscosity:</b>	Ready for Use
<b>Flash Point:</b>	38°C
<b>VOC Content:</b>	381 g/litre
<b>Colour:</b>	Clear
<b>Pack Size:</b>	5 Litres
<b>Density:</b>	0.9 kg / litre
<b>Gloss:</b>	Semi-Matt
<b>Thinner:</b>	IP80-27 Thin
<b>Solvent/Clean Up:</b>	40006 Gun Cleaner
<b>Catalyst:</b>	N/A
<b>Theoretical Coverage:</b>	25 sq m/litre @ 20 micron

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## 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:

For Safety Data Sheets please contact our Sales Department:

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