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**Product Name:** Def 80-109 Air Dry Varnish RD 1177 for Armaments

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**Product Number:**

- IP80-109 – Clear
- IP80-109-BLUE – Blue
- IP80-109-RED – Red

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**Product Description:** An air drying oleoresinous varnish for protection of suitably pre-treated surfaces of steel, aluminium, tin plate and zinc alloys other than brass.

It is not recommended for application to brass

The varnish is normally tinted blue but clear or other colours are permitted – please specify the colour required when placing an order.

Viscosity may be adjusted by addition of Xylene

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**Approvals/Specifications:**

- Defence Standard 80-109 (currently non QX)
- RD 1177
- Supersedes CS1027J
- New Roxel (UK Rocket Motors) Ltd: 203 119 PS / 1 / E000 Issue 2

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**Performance:** Tested to Defence Standard 80-109, however this product does not pass the sodium hydroxide test, this is accepted by the MOD.

The material is released with non QX testing (Ammunition Capability).

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**Components:** Single Pack Product. May be thinned for application by using Xylene

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## Application:

Surface Preparation:	Ensure that all surfaces are clean and dirt free
Paint Preparation:	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.
Application Method:	In accordance with Defence Standard 80-109. The coating can be spray, brush or dip applied.
Drying Curing:	<b>Air Dry:</b> <ul style="list-style-type: none"><li>- Touch Dry: 1 hour</li><li>- Hard Dry: 8 hours</li></ul>

## Technical Properties:

<b>Supply Viscosity:</b>	110-170 cps
<b>Flash Point:</b>	25°C
<b>VOC Content:</b>	515 g/litre
<b>Colour:</b>	Clear; Blue; Red
<b>Pack Size:</b>	5 Litre
<b>Density:</b>	1.0 kg/litre
<b>Gloss:</b>	Gloss
<b>Thinner:</b>	Xylene
<b>Solvent/Clean Up:</b>	40006
<b>Catalyst:</b>	N/A
<b>Theoretical Coverage:</b>	-

# Technical Data Sheet



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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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