

Technical Data Sheet



Product Name:

Def 80-109 Air Dry Varnish RD 1177 for Armaments

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

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 3
 - NSN 8010 99 942 9366
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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).

Components:

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

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:

Air Dry:

- Touch Dry: 1 hour
- Hard Dry: 8 hours

Technical Properties:

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

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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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