



TECHNICAL DATA SHEET

RS 251-3615 Conformal Coating

RS 251-3615 is a general purpose coating designed to protect printed circuit boards from environmental attack. The high gloss properties of RS 251-3615 also make it an ideal choice for over-coating applications where cosmetic appearances are a contributing factor. It is also suited for protecting ferrous metals from corrosion.

- High quality gloss finish; ideal for over-coating applications
- Cost effective coating with good resistance to humidity
- Does not contain a UV trace
- Suitable for applications requiring rework

Approvals	RoHS-2 Compliant (2011/65/EU):	Yes
Liquid Properties	Appearance:	Clear Pale Straw
	Density @ 20°C (g/ml):	0.86
	Flash Point:	12°C
	Solids content:	21%
	Viscosity @ 20°C (mPa s):	25
	Touch Dry:	15-20 minutes
	Recommended Drying Time:	24 Hours @ 20°C
Dry Film Coating	Colour:	Colourless (High Gloss)
	Operating Temperature Range:	-50°C to +100°C
	Flammability:	Meets UL94 HB
	Dielectric Strength:	40 kV/mm
	Dielectric Constant:	3.7
	Surface Insulation Resistance:	$1 \times 10^{11} \Omega$
	Dissipation Factor @ 1MHz @ 25°C:	0.01
	Moisture Resistance (MIL-1-46058C):	Meets approval



ENGLISH

Packaging

12 ml Pen (Packed in 5's)

Order Code

RS 251-3615

Directions for Use

RS 251-3615 is supplied in a ready-to-use pen, simply brush on to the required area and allow to dry. The thickness of the coating depends on the application (typically 25 microns). Temperatures of less than 16°C or relative humidity in excess of 75% are unsuitable for the application of RS 251-3615. As is the case for all solvent based conformal coatings, adequate extraction should be used (refer to MSDS for further information).

Substrates should be thoroughly cleaned before coating. This is required to ensure that satisfactory adhesion to the substrate is possible. Also, all flux residues must be removed as they may become corrosive if left on the PCB.