



TECHNICAL DATA SHEET

RS 714-462 Acrylic Conformal Coating

RS 714-462 is a high performance acrylic conformal coating specifically designed to meet the demanding requirements of many applications found in the defence and aerospace industries. RS 714-462 meets the requirements of MIL-1-46058C and has been formulated for professional use only.

- Excellent performance in a wide range of challenging conditions
- Transparent coating with excellent clarity
- High adhesion to a wide variety of substrates and resistant to mould growth
- Ideal for applications requiring rework

Approvals	RoHS-2 Compliant (2011/65/EU):	Yes
Liquid Properties	Appearance: Density @ 20°C (g/ml): Flash Point: Solids content: Touch Dry: Recommended Drying Time:	Pale Coloured Liquid 0.78 -4°C 15% 10-15 minutes 24 Hours @ 20°C 2 Hours @ 90°C
Dry Film Coating	Colour: Operating Temperature Range: Flammability: Dielectric Strength: Dielectric Constant: Surface Insulation Resistance: Dissipation Factor @ 1MHz @ 25°C: Moisture Resistance (MIL-1-46058C):	Colourless -55°C to +130°C Meets UL94-V1 40 kV/mm 2.7 $1 \times 10^{14} \Omega$ 0.01 Pass

<u>Packaging</u>	<u>Order Code</u>
200ml Aerosol	RS 714-462

Directions for Use

When applying RS 714-462 in aerosol form care must be taken to ensure the can is not shaken before use. Shaking the can will introduce excessive air bubbles and will give a poor coating finish. The can should be held at 45°, and 200mm from the substrate to be coated. The valve should then be depressed when the can is pointing slightly off target and moved at about 100mm/s across the target. To ensure the best coating results are achieved try to use a smooth sweeping motion with small overlap for successive rows. To ensure penetration of the coating beneath the components and in confined spaces, spray the assembly from all directions to give an even coating. After spraying, the boards should be placed in an air-circulating drying cabinet and left to dry. RS 714-462 contains a UV trace, which allows inspection of the PCB after coating to ensure complete and even coverage.