ENGLISH

TECHNICAL DATA SHEET

RS 136-8533
Printed Circuit Board Lacquer

RS 136-8533 is a flexible, fast drying transparent acrylic conformal coating for the protection of electronic circuitry. This product has been formulated for professional use only. It offers excellent adhesion to a wide variety of substrates and fluoresces under UV light for ease of inspection.

Approvals: **RoHS-2 Compliant (2015/863/EU):** **Yes**

Liquid Properties:

Appearance:	Pale Coloured Liquid
Density @ 20°C (g/ml):	0.8
VOC Content:	75%
Flash Point:	-4°C
Solids Content:	15%
Touch Dry:	10-15 minutes
Recommended Drying Time:	24 Hours @ 20°C

Dry Film Coating:

Operating Temperature Range:	-40°C to +110°C
Flammability:	Self-extinguishing (ASTM Method D635)
Dielectric Strength:	40kV/mm
Dielectric Constant:	2.5
Surface Insulation Resistance:	1 x 10^{15} Ω
UV Trace:	Yes

Packaging	Order Code	Shelf Life
400ml Aerosol	RS 136-8533	36 Months

Directions for Use

When applying RS 136-8533 aerosol, 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.