

## FEATURES

- PCB coating for electrical circuit protection
- Supplied in a 400 ml aerosol
- Dielectric strength of 45 kV/mm
- Operating temperature range of -55°C to +125°C
- Surface insulation resistance of  $1 \times 10^{13} \Omega$
- Touch dry within 15 minutes
- Tough and durable
- RoHS-2 (Restriction of Hazardous Substances) compliant

## RS PRO Polymer Aerosol PCB Coating Mechanical Parts

RS Stock No.: 136-8542



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

RS PRO's PCB coating for mechanical parts helps to protect electrical equipment from current leakage. It also minimises surface tracking and the effects of electrical fields. This increases the reliability of an electric system and decreases the chance of system failure due to dielectric breakdown.

The clear, moisture repellent lacquer can be used on assembled printed circuit boards (PCBs) and provides a clear coating that dries quickly to produce a smooth, transparent finish. The aerosol dispensed anti-corona lacquer is suitable for use on most bare and coated electrical equipment and displays good durability and toughness.

## General Specifications

<b>Package Size</b>	400ml
<b>Package Type</b>	Aerosol
<b>Material</b>	Polymer
<b>Colour</b>	Colourless
<b>Applications</b>	Electrical Circuit Protection

## Electrical Specifications

<b>Dielectric Strength</b>	48kV/mm
<b>Surface Insulation Resistance</b>	1 x 10 <sup>13</sup> Ω

## Mechanical Specifications

<b>Appearance</b>	Pale Coloured Liquid
<b>Density @ 20°C (g/ml)</b>	0.8
<b>Solids content</b>	15%
<b>Touch Dry</b>	10-15 minutes
<b>Recommended Drying Time</b>	24 Hours @ 20°C
<b>Flammability</b>	Self-extinguishing (ASTM Method D635)
<b>UV Trace</b>	Yes
<b>Shelf Life</b>	36 Months

## Operation Environment Specifications

<b>Maximum Operating Temperature</b>	+110°C
<b>Minimum Operating Temperature</b>	-25°C

## Approvals

<b>Compliance/Certifications</b>	RoHS (Restriction of Hazardous Substances) compliant
<b>RoHS-2 Compliant (2011/65/EU)</b>	Yes



## Directions for Use

Clean the surface thoroughly removing all traces of greases, oil, dirt, grime and where present, unsound existing coatings. Shake can thoroughly. Hold upright, and spray evenly onto the surface from a distance of 25 to 30cm. If nozzle blocks, invert can and pulse spray until clear. Allow to dry for between 15 to 30 minutes. If further coats are required, allow 20 minutes between applications.

After use, always invert can and depress actuator for a few seconds to prevent nozzle blockage.