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## TECHNICAL DATA SHEET

### RT183 Electrically Conductive Epoxy Adhesive

#### Description

RT183 is specifically designed for shield and connector termination in EMC applications.

#### Benefits

- Easy to use medium viscosity adhesive
- Room temperature or elevated temperature cure
- Easy to apply using the Resintech DuoSyringe system
- Standard size is 25ml (50g), with associated mixing nozzles and dispenser guns

#### Typical Properties

##### Curing

Work life at 23°C:	60 minutes
Time to handling at 23°C:	8 hours
Cure time at 23°C:	24 hours
Cure time at 80°C:	1 hour
Cure time at 100°C:	30 minutes

##### Typical Performance (cured for 30 minutes at 100 °C)

Lap Shear (Al / Al @ 23°C)	8 MPa
Resistivity (@ 23°C)	<10 <sup>-2</sup> ohm-cm
Lap Shear (Al / Al, after 172hrs @ 150°C)	8 MPa
Resistivity (after 172hrs @ 150°C)	<0.01 ohm-cm
Lap Shear (Al / Al, after 172hrs @ 40°C in water)	6 MPa
Resistivity (after 172hrs @ 40°C in water)	<0.01 ohm-cm
Operating temperature range	-55°C to 150°C

#### Colour

Silver

#### Related Products

- RT110 fast setting epoxy adhesive
- RT112 non-sag, fast setting epoxy sealant
- RT125 flexible, high performance epoxy adhesive
- TriPatch wraparound epoxy repair system

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