

## Technical Data

# 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)	$<10^{-2}$ 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

- The ShieldFast® Range
- RT125 flexible high performance epoxy adhesive

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