



## 1533

1533 is two components adhesive that can cure fast at room temperature providing excellent sealing and bonding.

This material is recommended for the potting of electronic components, typically for junction box on PV modules.

<b>Technology / Base</b>	Silicone
<b>Type of Product</b>	Adhesive
<b>Components</b>	Two components
<b>Curing</b>	Room temperature cure
<b>Appearance / Color</b>	Black
<b>Consistency</b>	Viscous Liquid

### Features and Benefits

- Fast cure at room temperature, excellent deep section cure.
- Easy handling due to 5.5:1 mixing ratio.
- Excellent adhesion to various substrates.
- Suitable for automated dispensing.
- Excellent electrical performance.
- Excellent resistance to hot damp conditioning.
- Excellent flame-retardant performance

### Curing Profile

Recommended cure:

- (23±2)°C, (50±5)%RH for 7 days

Contact HB Fuller technical support for additional curing recommendations.

### Typical Packaging

Please contact your local Sales Office for available packaging options.

### Disposal Advice

Please refer to the MSDS for disposal instructions.

### Application Instructions

1. Part A should be blended thoroughly before mix with Part B in order to make filling material distribute evenly.
2. Mix evenly according to the ratio.
3. Pot the mixed material.
4. Recommended using automatic dispensing equipment to applying the potting compound.

### Safety Advice

Please refer to the MSDS for safety advice.

### Storage Conditions

Product shall be ideally stored in a cool, dry area in unopened containers at room temperature. Keep away from children.

Shelf Life: 6 months from date of manufacture.



Technical Data

Rheology	Value	Condition/Method
Viscosity Resin	4000 mPa·s	GB/T 2794
Viscosity Activator	50 mPa·s	GB/T 2794
Viscosity Mixed	2000 mPa·s	GB/T 2794
Density		
Mixed Density	1.26 g/cm <sup>3</sup>	GB/T 13354
Mix Ratio		
Volumetric Mix Ratio	4:1	
Weight Mix Ratio	5.5:1	
Curing		
Flash Point	> 93°C	GB/T 5208
Working Time	8 minutes	Viscosity higher than 30000mPa·s.
Gel Time	60 minutes	The glue does not flow.
Cured Mechanical Properties		
Hardness	45 Shore A	GB/T 531
Tensile Strength	1.0 MPa	GB/T 528
Elongation to Break	100%	GB/T 528
Thermal Indication		
Thermal Service Range	(-50~200)°C	
Heat-Conducting Property		
Thermal Conductive	0.30 W/m·K	DIN EN 821
Electrical Property		
Volume Resistivity	1.0×10 <sup>15</sup> Ω·cm	GB/T 1692
Breakdown Strength	20kV/mm	GB/T 1695
Damp-Heat Aging Property (85°C,85%RH for 1000h)		
Volume Resistivity	1.0×10 <sup>15</sup> Ω·cm	GB/T 1692

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