
ACC Silicones manufacturing silicone for industry



www.acc-silicones.com

ACC Silicones over 20 years experience manufacturing silicone RTV, adhesives, sealants, moulding rubbers, gels and fluids. We provide technical support for all ACC Silicone products supplied into mainland Europe and the Middle East.

Our highly qualified and experienced sales and technical teams will help with product selection, lab testing, trials, qualifications and application methods.

Product Range:

- **Silicone adhesive sealants**
- **Silicone encapsulants and potting compounds**
- **Thermal Transfer Materials**
- **Silicone Primers**

Industries serviced:

- **Aerospace, Electronics, Photovoltaic's, Lighting & LED's,**
- **Automotive, Food Processing, Offshore, Construction, Textiles,**
- **Medical, Marine, Solar, Rail, Utilities**

Typical applications involve:

- **Bonding, Gasketing, FIPG, Sealing**
- **Encapsulation, Electrical potting**
- **Protective Coatings**
- **Thermal Transfer**



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ACC Silicones have been manufacturing silicone compounds for over 20 yrs and has gained an enviable reputation for proven performance and quality with materials being certified for use in the most demanding applications within the aerospace industry. Much of ACC's research work has been focused on Electrical and Electronic applications developing coatings, thermal transfer compounds and noncorrosive sealants.

Our customer focused development program and flexible-manufacturing plant enables us to keep pace with the needs of today's modern production methods and design requirements. Qualified, experienced sales and technical staff are readily available to make site visits and advise on product selection and production methods.

ACC Silicones group of companies has grown over recent years to include technical research and production facilities in the UK, mainland Europe and the US. Our expertise extends into all areas of 1 and 2-Part RTV silicone chemistry, with a strong bias towards application-based solutions.

Bespoke Production Facilities

Our flexible facilities based upon batch production allow us to offer formulations to meet very specific application requirements. Subject to strict commercial evaluation we are able to chemically engineer our products and change the following properties.

- **Rheology: paste to free flowing low viscosity**
- **Cure speed and tack free times**
- **Thermal conductivity**
- **Hardness & Colour**
- **Operating temperature range**
- **Cure mechanism**
- **Packaging and delivery systems**



Silicones for PhotoVoltaics and Solar Energy



Adhesive Sealants

- Frame Sealing ■ Fixing control boxes
- Sealing control boxes ■ Sealing solar collectors

Optically Clear Encapsulants

- Encapsulation ■ Electrical potting
- Use in PV concentrator cells

UL94 V-0 Potting Compound

- Electrical Potting

Thermally Conductive Potting Compound

- Electrical potting
- Heat transfer medium

Product	Description	Properties	Colour	Temperature Resistance
PV5700	1-Part RTV adhesive sealant	Excellent adhesion	White	-60°C to +200°C
PV5701	1-Part RTV adhesive sealant	Excellent adhesion	Black	-60°C to +260°C
PV2218	10:1 Silicone encapsulant	UV resistant non-yellowing	Clear	-60°C to +200°C
PV2300	1:1 Silicone gel	Soft resilient gel	Clear	-55°C to +200°C
PV2553	1:1 Potting compound	Thermally conductive	Grey	-50°C to +260°C
PV2430	1:1 Potting compound	UL94 V-0 approved	Grey	-55°C to +250°C

Visit www.acc-silicones.com to request a sample or download a technical data sheet
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