

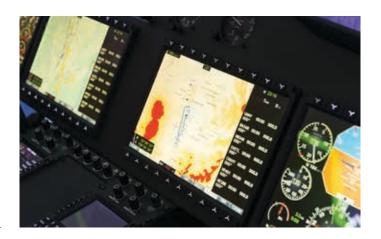
## **AEROSPACE, DEFENSE & AVIONICS**

High performance materials that meet stringent requirements are essential for Aerospace, Defense and Avionics applications. Silicones have proven to withstand rigorous conditions and feature key properties including:

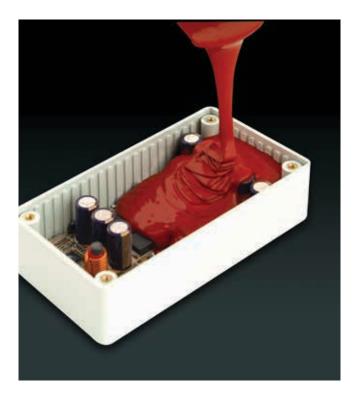
- ▶ Wide temperature range from -115 to 300°C
- ► Excellent electrical properties
- ► Flexibility
- ► UV resistance
- ▶ Good chemical resistance
- ► Thermally conductive
- ► Resistance to humidity and water
- ► Non-toxic and inert

To meet these demands, CHT's portfolio includes MIL SPEC tested and UL listed silicone technology selected by customers worldwide.









Product Guide			
Product	Description	Features	
ACC11	Acrylic conformal coating	Meets requirements of MIL-I-46058C and IPC-CC-830, UL 94 V-1	
ACC15	Silicone conformal coating  Room temperature cure or mild heat accelera at 60°C, UL 94 V-1		
ACC17	Silicone conformal coating	Fast room temperature cure, UL 94 V-1	
AS1421	SILCOTHERM® 1-part flowable heat cured silicone adhesive	UL 94 V-0, 2.1 W/m-K	
AS1802 Black	SILCOTHERM® 1-part RTV silicone adhesive sealant paste, non corrosive	Excellent thermal conductivity, 2.3 W/m-K, UL 94 V-0	
AS1803	SILCOTHERM® 1-part RTV silicone adhesive sealant paste, non corrosive	Good thermal conductivity, 1.55 W/m-K, UL 94 HB	
Silcoset 101	2-part condensation cure silicone encapsulant, high temperature	ensation cure silicone encapsulant, high temperature Aerospace approved, High temperature resistance	
Silcoset 105	2-part condensation cure silicone encapsulant Aerospace approved, Flexible from - 60 to +220°C		
Silcoset 151	1-part RTV silicone adhesive sealant self-levelling, high temp food grade  Aerospace approved, Flexible from - 60 to +300°		
Silcoset 152	1-part RTV silicone adhesive sealant paste, high temperature Aerospace approved, Flexible from - 60 to +300°		
Silcoset 153	1-part RTV silicone adhesive sealant, translucent paste Aerospace approved, UL 94 HB		
Silcoset 158	1-part RTV silicone adhesive sealant paste Aerospace approved, High temperature resistar		
SGM494	Silicone grease	Aerospace approved	
AS1740	1-part RTV silicone adhesive sealant, self levelling, non corrosive	Meets requirements of MIL A -46146B Group I Type II, UL 94 HB	
AS1745T	1-part RTV silicone adhesive sealant paste, non corrosive	Meets requirements of MIL A-46146B Group 11 Type 1	
QSil 214	2-part potting compound, encapsulant, transparent, fast room temperature cure	UL 94 HB	
QSil 219	2-part potting compound, clear encapsulant Meets requirements of Mil-I-81550C (type II)		
QSil 220	2-part potting compound, encapsulant, heat cure UL 94 HB		
QSil 223	2-part potting compound, clear encapsulant UL 94 HB		
QSil 550	2-part potting compound, encapsulant UL 94 V-0		
QSil 550F	2-part potting compound, encapsulant, fast curing UL 94 V-0		
QSil 550LV	2-part potting compound, encapsulant, low viscosity, heat cure UL 94 V-0		
QSil 553	2-part potting compound, encapsulant UL 94 V-0		
QSil 553LV	2-part potting compound, encapsulant, low viscosity	UL 94 V-0	
QSil 556	2-part potting compound, encapsulant, low viscosity, room temperature cure	UL 94 V-0	
QSil 559	2-part potting compound, encapsulant	UL 94 V-0	
QSil 562	2-part potting compound, encapsulant, 150°C RTI UL 94 V-0		
QSil 563	2-part potting compound, encapsulant, UL 94 V-0		
QSil 6101	2-part potting compound, encapsulant, condensation cure	UL 94 V-1	
QSil 6102	2-part potting compound, encapsulant, condensation cure	UL 94 V-1	
TufGel 333	2-part silicone gel	UL 94 HB	
TufGel 336	2-part silicone gel, fast cure, room temperature, self-bonding	UL 94 HB	

CHT's UL File Numbers			
QMFZ2.E205830	CHT USA	PLASTICS - COMPONENT	
QMFZ2.E334038	CHT UK	PLASTICS - COMPONENT	
QMFZ8.E334038	CHT UK	PLASTICS CERTIFIED FOR CANADA - COMPONENT	
QMJU2.E493561	CHT UK	COATINGS FOR USE ON RECOGNIZED PRINTED WIRING BOARDS - COMPONENT	

Finding the right silicone for your application is not limited to our portfolio. Our team will partner with you to either modify specifications in an existing product or custom develop a new product to meet your requirements.

## QUALITY | SERVICE | INNOVATION

## WE TAKE PRIDE IN SERVING YOU

- ► Take advantage of consulting one on one with our sales and technology team.
- CHT demonstrates a distinctive flexibility, whether it's modifying existing product specifications or developing a new product specifically designed for your unique application.
- Our worldwide distributor network provides local inventory, which means reduced transit times and lower shipping costs for you.
- ▶ Rely on our prompt, product development time.
- Our team welcomes your feedback because we are always striving to make innovative improvements.

CHT is committed to providing you with superior service and the highest quality silicone products available. Our certification to the ISO 9001 standard ensures that we are always working towards continual improvement in every way.

We also have a stringent product testing protocol that uses ASTM standard test methods. Based on your specifications, products must meet certain criteria throughout production and prior to its release. A Certificate of Analysis will accompany every shipment you receive.



material@cht.com

in linkedin.com/showcase/cht-silicone-experts

CALL US TODAY +49 7071 154 335 (DE | Headquarters) +44 1278 411 400 (UK)

+1 800 852 3147 (US)

To view CHT's complete product portfolio or to request product samples, please visit www.silicone-experts.cht.com

