

**INDUSTRY  
SOLUTIONS.**

**Material  
Solutions.**

**CHT**

**SMART CHEMISTRY  
WITH CHARACTER.**



**SILICONE TECHNOLOGY  
FOR AEROSPACE, DEFENSE  
& AVIONICS**

**MIL SPEC TESTED & UL LISTED SILICONES**

## 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.

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## 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 acceleration 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	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°C
Silcoset 152	1-part RTV silicone adhesive sealant paste, high temperature	Aerospace approved, Flexible from - 60 to +300°C
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 resistance
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.



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To view CHT's complete product portfolio or to request product samples, please visit [www.silicone-experts.cht.com](http://www.silicone-experts.cht.com)

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