CAPABILITIES

COMPOSITE HEAT BLANKETS

Our silicone rubber heat blankets are specifically designed for the repair of composite structures using vacuum bagging techniques.

The unique construction of our heat blankets allows you to apply uniform heat exactly where you want it. Our design employs a grid of wound resistance wire, vulcanized between two layers of either fiberglass reinforced or unsupported silicone rubber. This design features strength, flexibility, durability and even heat distribution.

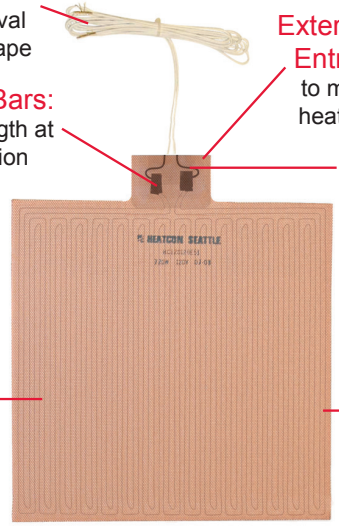
THE SOLUTION TO UNEVEN HEAT DISTRIBUTION IS QUALITY!

Scan for Latest Catalog and Company Information

HEATCON COMPOSITE SYSTEMS®

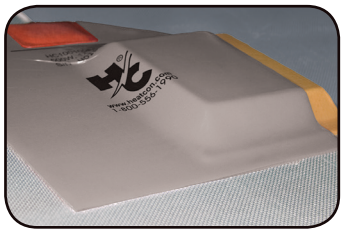
Standard Features and Options

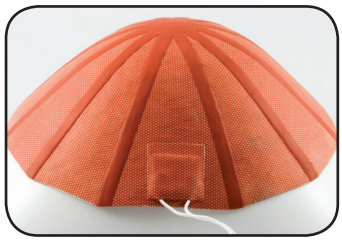
Standard or custom heat blankets for all your composite repair needs.

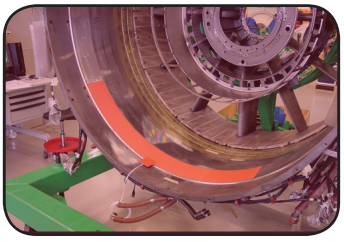


The need for custom shaped, flexible heat blankets in composite repair has increased dramatically in recent years with all of the emerging applications being performed. HEATCON Composite Systems has both the engineering expertise and dedication to meet all of your custom heat blanket requirements from tooling, to design, to manufacturing.

Heat Blanket Capabilities and Options







• **Stretchable:** Stretchable silicone rubber heat blankets are specifically designed for the repair of complex 3-dimensional composite shapes or contoured surfaces. In using Mosites Rubber Company material technology, HEATCON stretchable heat blankets is especially applicable under the following conditions:
- Heavy-duty usage
- Multi-zone heat requirements
- Fits into tighter radius contours

• **Flat Geometrics/Die-Cuts**

• **Radomes:** Capabilities include configurations for Boeing, Airbus, M-D, single zone, multiple zones, or storage fixtures.

• **Contours:** Some application examples for contoured heat blankets which include leading edge, trailing edge, propeller, rotor, flap, fan-track and fan-cowl repairs.

• **Customize:** Supply us with the following details to begin design the blankets to suit your specific needs - width, length, lead length, input voltage, watt density, and dimensional drawings.

• **Supervisory Heat Blankets:** Used with HEATCON Flightline Hot Bonders while performing a composite repair in a hazardous or flightline environment. These blankets have a very unique construction that includes an additional supervisory temperature sensing circuit to effectively reduce hazardous situations in a vapor volatile environment.

Heat Blanket Tester The HCS2047-02 Heat Blanket Tester is a user-friendly device that will identify possible hidden damage to the blanket with a simple "Pass/Fail" feature. This will help to ensure uniform heating of the application by elimination of cold spots associated with blanket failure.

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