1. PRODUCT NAME
HT Blanket (High Temperature Blanket)

2. MANUFACTURER
CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482-0105
Phone: 610-341-7000
800-233-8990
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3. PRODUCT DESCRIPTION
High Temperature Blanket is composed of rotary glass fibres bonded together using a thermosetting resin and formed into plain, flexible and resilient thermal insulation. It is designed for use on industrial equipment, panel systems, pipe fittings and tanks operating at temperatures up to 1000°F (538°C). Type I is available in either batt or roll form; Type II is available only as batts. HT blankets are easy to handle, cut with a knife and install, and contain over 60% recycled glass content.

Application: HT Types 1 and 2 are designed for use on industrial equipment operating at temperatures up to 1000°F (538°C). Type 1 can be used on panel systems, as a flexible wrap, or on industrial ovens. Type 2 can be used for metal mesh blankets, on boilers, vessels and other industrial equipment operating at temperatures up to 1000°F (538°C).

For SKU's not shown on this specification sheet please contact your distributor for availability and/or minimum order requirements.

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<th>AVAILABLE SIZES</th>
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<td>Type 2: Batts</td>
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4. TECHNICAL DATA

Material Standards:
- Standard for Mineral Fibre Thermal Insulation for Buildings – CAN/ULC-S702-09, Type 1 (pre-formed insulation without a membrane)
- ASTM C553 Types I, II, V, VI
- CAN/CGSB 51.11 Type 2 Class 4

Physical/Chemical Properties:
- Behavior in vertical tube furnace:
  - ASTM E136 / CAN4-S114
  - Pass test
- Critical radiant flux:
  - ASTM E970
  - \( \geq 0.12 \text{ W/cm}^2 \)
- Corrosiveness with austenitic steel:
  - ASTM C795
  - Pass test
- Corrosiveness to steel:
  - ASTM C665
  - Pass test
- Water vapor sorption:
  - ASTM C1104
  - Maximum 5.0% by weight
- Bacterial and fungi resistance:
  - ASTM C1338-96
  - Does not breed or promote
- Odor emission:
  - ASTM C1304
  - Pass test
- Smoulder resistance:
  - ULC-S129
  - Mean mass loss 5% and each specimen \( \leq 10\% \)
- Surface burning characteristics:
  - ASTM E84/UL 723
  - CAN/ULC-S102-M88
  - Flame spread index: 25 max
  - Smoke developed index: 50 max
- Hot surface performance:
  - ASTM C411
  - Pass test at 1000°F (538°C), 8" stack
- Density:
  - Type 1: 1.25lb/ft\(^3\) (nominal) 20kg/m\(^3\)
  - Type 2: 2.5lb/ft\(^3\) (nominal) 40kg/m\(^3\)
- Thermal conductivity:
  - ASTM C177
  - Avg. K at 75°F mean BTU \cdot \text{in/hr} \cdot \text{ft}^2 \cdot \text{°F}
  - See chart for K factor
- Flexibility:
  - ASTM C1101
  - Flexible/Resilient

5. INSTALLATION

HT blanket insulations, both Type 1 and Type 2, may be applied directly to any hot surface. This is normally accomplished by securing through the use of welded studs and nuts or pins and speed washers and then providing a final covering of sheet metal, expanded metal, metal mesh or cementitious mastic. If pins and speed washers are incorporated, you must ensure that the insulation is not compressed under the washer. Whichever fasteners are used for securing, spacing is suggested to be no more than 4 inches in from each corner and no more than 16 inches on centre in either direction over the field on the insulation. Multiple staggered layers of insulation should be used to ensure good insulation coverage and eliminate hot spots.
7. AVAILABILITY AND COST
Manufactured and sold throughout North America. For availability and cost, contact your local contractor, retailer or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

8. WARRANTY
CertainTeed has no control over the installation design, installation workmanship, accessory materials, or conditions of application, CertainTeed does not warrant the performance or results of any installation containing its products.

9. MAINTENANCE
An inspection and preventative maintenance program for the insulation is recommended to ensure optimal performance.

10. TECHNICAL SERVICES
Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group at 800-233-8990.