

ASTM C-1695-09

Standard Specification for Fabrication of Flexible Removable and Reusable Blanket Insulation for Hot Service

Prepared by Gary Cobb

ASTM C-1695-09 was approved and released in September 2009. This specification attempts to bring uniformity and minimum standards of product quality and performance to fabricated insulation pads applied on surfaces with operating temperatures up to 1000°F. This standard will serve as guidance to specification writers at larger facilities and to fabricators wanting to assure proper material selection and fabrication of materials.

There are very specific callouts for all materials that may be used in a pad including the following:

- ✓ Insulation media of ceramic, glass or mineral wool
- ✓ Coated fiberglass cloth
- ✓ Heat cleaned fiberglass cloth
- ✓ Stainless steel, knitted wire mesh
- ✓ Stainless steel foil
- ✓ Tie-Down straps & drawstrings for closure
- ✓ Sewing thread of fiberglass or stainless steel
- ✓ Other hardware such as D-rings, buckles, tags, etc.



These callouts contain detailed requirements of physical specifications, weights, flammability and more.

There are also very specific instructions for the construction of an acceptable pad. Stitching, seam construction, installation of hardware, placement of hardware, identification and many more facets of pad fabrication are covered in detail. Some guidance on fabrication design under various application conditions is also provided.

If your company designs, produces or uses removable insulation pads, the \$34 cost is a wise investment for a copy of the standard which can be obtained by visiting the ASTM website - <http://www.astm.org/Standards/C1695.htm>. Otherwise, call your preferred distributor or manufacturer for any questions, needs or clarification.