UL Product iQ®

Batts and Blankets

See General Information for Surface-burning Characteristics

GENERAL

This category covers batts and blankets for building insulation certified as to surface-burning characteristics as given in the individual certifications.

During the testing of certain thermoplastic materials recurring burning of molten material may occur on the furnace floor, as well as in the ceiling position. Where indicated in the individual certifications for these particular thermoplastic materials, a supplemental statement is provided that distinguishes flame-spread and smoke-developed values for the ceiling and floor positions.

Some batts and blankets are provided with facings that may affect the contribution of combustibles under fire conditions. This effect is determined by testing the sample with a longitudinal butt joint, constructed by slitting the facings or by using a factory or field joint (if applicable). Materials that do not have sufficient rigidity to support themselves in the tests are supported with metal rods or bars.

In some cases, products are certified under the designation "FHC 25/50." This denotes that these products have flame-spread values of 25 or less and smoke-developed values of 50 or less.

The thermal conductivity, vapor resistance, toxicity of the products of combustion, and other properties have not been investigated.

The certifications are confined to the materials themselves and do not pertain to the structures in which the materials are installed.

Authorities Having Jurisdiction should be consulted before installation.

RELATED PRODUCTS

For the fire-resistance rating of these products, see Batts and Blankets (BZJZ).

ADDITIONAL INFORMATION

For additional information, see Surface-burning Characteristics (BIKT) and Building Materials (AABM).

REQUIREMENTS

The basic standard used to investigate products in this category is UL 723, "Test for Surface Burning Characteristics of Building Materials."

In addition to the surface-burning characteristics, where indicated in the individual certifications, unfaced batts and blankets have also been certified to ANSI/ASTM E136, "Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C."

UL MARK

The Certification Mark of UL Solutions on the product or package of products is the only method provided to identify products manufactured under its Certification and Follow-Up Service. The Certification Mark for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Additional Certification Markings

Products covered under this category are additionally marked with the following information:

*** BATTS AND BLANKETS**
AS TO SURFACE-BURNING CHARACTERISTICS
+

* **UNFACED**, **FACED** or **PROCESSED**

\+ Flame-spread and smoke-developed values or the designation "FHC 25/50" applicable to the product

or

UNFACED BATTS AND BLANKETS
AS TO SURFACE-BURNING CHARACTERISTICS

+

ALSO CERTIFIED TO ASTM E136
STANDARD TEST METHOD FOR BEHAVIOR OF MATERIALS
IN A VERTICAL TUBE FURNACE AT 750°C

+ Flame-spread and smoke-developed values or the designation "FHC 25/50" applicable to the product

Alternate UL Mark

The Classification Mark of UL Solutions on the product or package of products is the only method provided to identify products manufactured under its Classification and Follow-Up Service. The Classification Mark for these products includes the UL symbol, the word "CLASSIFIED" above the UL symbol, and the following additional information:

*** BATTS AND BLANKETS**
SURFACE BURNING CHARACTERISTICS
+
Issue No.

* **UNFACED**, **FACED** or **PROCESSED**

+ Flame spread and smoke developed values or the designation "FHC 25/50" applicable to the product

or

UNFACED BATTS AND BLANKETS
SURFACE BURNING CHARACTERISTICS
++
Issue No.

++ Flame spread and smoke developed values or the designation "FHC 25/50" applicable to the product and the following statement: **ALSO CLASSIFIED IN ACCORDANCE WITH ASTM E136 STANDARD TEST METHOD FOR BEHAVIOR OF MATERIALS IN A VERTICAL TUBE FURNACE AT 750°C**

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