



TEXTUF DECK BLANKET

FIBERGLASS INSULATION



Product Specifications and Key Features

Quietflex® Deck Blanket is produced using continuous textile-type glass fibers that have been bonded with a thermal setting phenolic resin. The glass fibers and resin are combined in an air lay system that produces a random fiber orientation for exceptional strength and resiliency. The standard deck blanket has a nominal density of 12 kg/m³, but can be customized to meet specific customer requirements.

www.quietflex.com

PHYSICAL PROPERTIES

TEST METHOD OR PROPERTY	RESULTS
ASTM C553 Type 1, 2 and 3	Meets all requirements at varying densities
Temperature range	-155°C to 232°C
ASTM C1104: Water vapor sorption	Less than 1% by weight.
NFPA 259: Limited combustible	Less than 3,500 BTU/lb
ASTM E84: Flame spread index	Less than 25
ASTM E84: Smoke developed index	Less than 50
ASTM C1338, G21, G22: microbial fungal growth	Does not support the growth of mold, fungi and bacteria
Tensile strength	Can be modified based on customer need
Nominal density	12 kg/m ³ - Can be modified based on customer need
Density tolerance	+2.5 kg/m ³ /-0.5 kg/m ³
Width tolerance	+/-6 mm or 0 mm/+12 mm
Length tolerance	+2% or + 610 mm/0%
Thickness tolerance	+/-6 mm or 0 mm/+12 mm
Optional facings available	Laminated FSK

APPLICATIONS

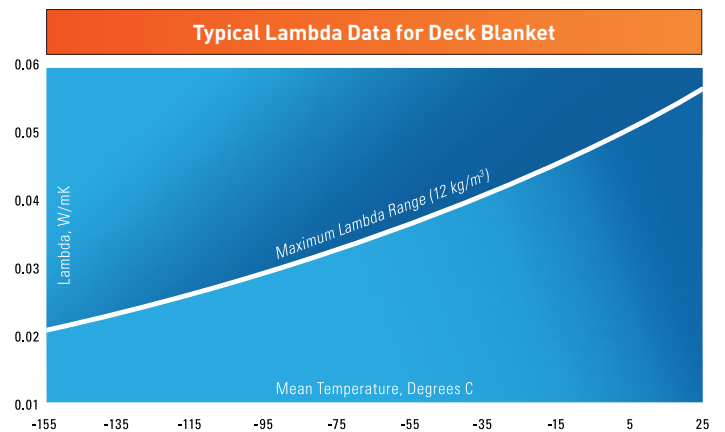
Deck Blanket is designed to insulate roof decks for LNG and other cryogenic tank systems.

ADVANTAGES

- Minimal settling
- Fibers do not support bacterial or fungal growth
- Compression packed to save storage space and freight costs

THERMAL CONDUCTIVITY VALUES AT SELECT TEMPERATURES (ASTM C518)*

**This graph is for general information only. Actual values can vary depending on critical performance specifications*



STACK TEST PROCEDURE

SCOPE: This spec contains the requirements for the stack testing of fiberglass insulation blanket to confirm an adequate quantity has been provided to achieve the required installed thickness.

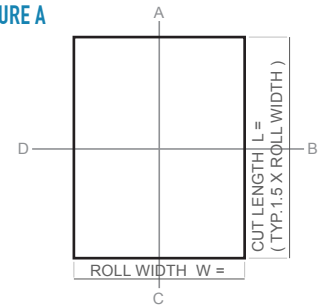
SUPPLIED THICKNESS: The final thickness will be provided for each separate project based on customer requirements. The supplied thickness shall be specified final thickness plus 10%.

TEST PROCEDURE

1. Un-package the roll then cut test pieces into equal lengths (typically 1.5 times the width of the roll). Let the sample pieces rest for two hours minimum.
2. Stack the layers until the specified final thickness is met and measure the initial total height of the stack at the four locations (A, B, C, D) shown in figure A.
3. Determine the average height of the stack based on step #2 above and record.
4. Place a 12.7 mm thick plywood sheet cut to the same dimension as the blanket on the stack. Add 33 kg/m² and leave standing for 15 minutes.
5. Measure and record compressed thickness at locations shown in figure A.
6. Remove the weight and plywood from the stack, then measure and record the height of the uncompressed material at locations shown in figure A.
7. The average height from step #6 must be greater than the specified final thickness plus 10% or additional layers must be added.
8. Supply additional layers using the average layer thickness from step #6 to achieve the specified final thickness plus 10%.

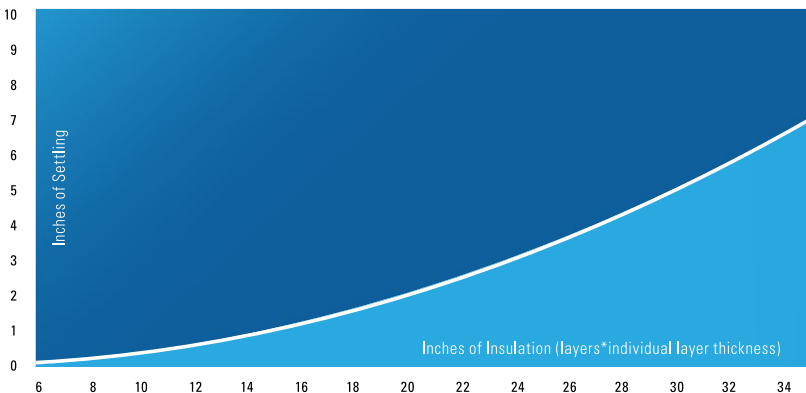


FIGURE A



Quietflex Textuf Deck Blanket is manufactured in a full range of thicknesses

Deck Settling of 0.75pcf Quietflex Deck Blanket — 0.75# Maximum Settling



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WARNING

Textile glass fibers are used to manufacture the fiberglass insulation product. Handling, installing, or removing the product may result in some fiberglass contact. Users of this product are therefore advised to wear appropriate personal protective equipment so as not to experience skin, eye, or respiratory irritation. Gloves and eye protection, long sleeved, loose fitting clothing are recommended when installing or otherwise handling the product. Avoid breathing fiberglass dust and avoid contact with skin or eyes. A NIOSH approved (N95 or higher) disposable or reusable dust respirator properly fitted is recommended whenever the product is handled. Respiratory protection is mandatory when the dust level in the workplace exceed OSHA permissible exposure limits or if worker irritation occurs. Work clothes should be washed separately and the washer rinsed after use.

FIRST AID MEASURES

If dust gets in eyes flush eyes with water to remove the fiber dust. If symptoms persist, seek medical attention. Fibers can be removed by washing the skin with soap and warm water after handling this product. Further product safety information is available from your employer. The Material Safety Data Sheet is available from your distributor, directly from QuietFlex or on the QuietFlex website at www.quietflex.com.

The physical and chemical properties of the QuietFlex Faced Versatile Blanket represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with QuietFlex Manufacturing Company LP to obtain current information.