

A large red and white offshore supply vessel is docked in a harbor. The vessel has a prominent red hull and a white superstructure with a red funnel. In the background, a coastal town with buildings is visible across the water.

Fiber hull board insulation

Intek[®] MTI-1046

Intek[®] is a range of light weight high performance thermal and acoustic insulation products. Intek[®] emits virtually no smoke or incapacitating toxic biproducts when exposed to open flames. Intek[®] is lightweight, has a wide operating temperature range and can easily be removed for maintenance and then reused.

Intek[®] MTI-1046 fibre hull board insulation is designed specifically to provide thermal and acoustical insulating control for hull deckheads and bulkheads.

Intek[®] MTI-1046 fibre hull board insulation provides cabin noise control, temperature control and fire resistance. Intek[®] MTI-1046 is a lightweight, semi-rigid board insulation made from felted glass fibers in a nominal density of 46 kg/m³.

Intek[®] MTI-1046 has a smooth surface, it can be used in combination with waffle board and perforated glass cloth for fabricating acoustic absorptive boards.

Benefits:

- High thermal performance - highly effective in reducing heat transfer
- Lower fuel contribution - compared to standard hull board
- Specification compliance - complies with many current standards
- Fast installation - the standard sizes available help save cutting and trimming time and reduce waste

Applications:

- Deckheads and bulkheads
- Commercial vessels
- Defense vessels
- Drilling rig platforms

Certificates*

- Fully approved for MOD (UK) Ships
- Defence Standard 07-247 Smoke and Toxicity
- BS 476 Part 6 Fire Propagation
- BS 476 Part 7 Surface Spread of Flame
- ISO 4589 - 2 Oxygen Index
- U.S. Coast Guard Certificate of Approval
- MIL- 742F Type 1 and Type II;

Classified as A1 by UK MOD, it can be used in unlimited quantities on specific vessels and platforms

*Intek® MTI-1046 may meet additional specifications that are not listed here. Please contact us to determine if it meets your specification, or other requirements.

Typical Technical Data

Operating temperature limit 450 °F (232 °C)

Thermal conductivity

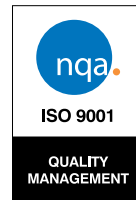
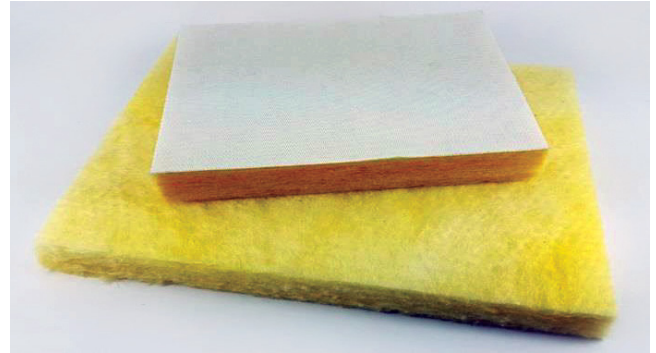
Normal density 2.9 pcf (46.5 kg/m ³)			
Mean Thermal			
°F	°C	Btu · in/(hr · ft ² · °F)	W/m °C
75	24	0.23	0.033
100	38	0.25	0.036
200	93	0.31	

Sound absorption coefficients complies with MIL-I-22023D mounting type A

(Flat on the floor) Formerly No. 4

Acoustical absorption coefficients (sabins/ft ² or metric sabins/m ²) ASTM C 423 and E 795, type A Mounting								
Thickness		Frequency (Hz)						
		125	250	500	1000	2000	4000	NRC
25mm	1in	0.06	0.29	0.75	0.99	1.04	1.02	0.75
50mm	2in	0.24	1	1.11	1.08	1.06	1.05	1.05

*The above are typical values subject to normal manufacturing variation.



Contact us

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