Intek® MTI-1046

Fiber hull board insulation

Intek® MTI-1046 fiber hull board insulation is an incombustible, lightweight, semi-rigid board insulation made from felted glass fibers in a nominal density of 2.9 pcf (46.5 kg/m3). It has low organic content and was the first incombustible type hull board to be developed for use in the marine industry. Intek® MTI-1046 provides additional cabin noise control, temperature control and fire resistance. The insulation has a smooth surface, it can be used in combination with waffle board and perforated glass cloth for fabricating acoustic absorptive board.

Certificates*:

- Fully approved for in-service MOD (UK) Ships.
- DEF STAN 711 and DEF STAN 713 Certified.
- U.S. Coast Guard Certificate of Approval No. 164.109/46/0
- Complies with US Navy and Nuclear Regulatory Commission product standards MIL- 742F, Type II; ASTM C 1139, Type I & II, Grade 6

Note: At times, a formal certificate of compliance is required to verify that a product meets an outside specification. In such instances, the request for the required certificate must be made at the time the order is placed. Should outside testing be a condition for certification, a charge is made to cover test expenses.

*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.

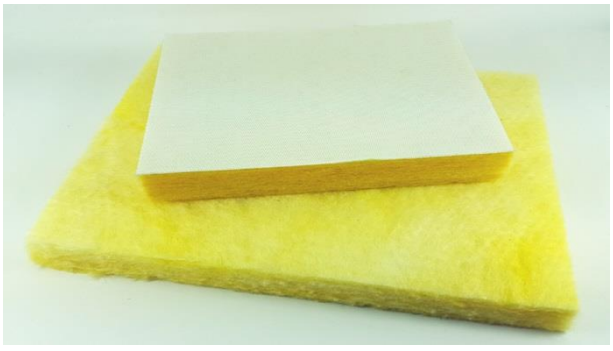
Benefits:

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

Applications:

Intek® MTI-1046 fiber hull board insulation is designed specifically to provide thermal and acoustical insulating control for the hull and deck heads. Typical applications include:

- Commercial vessels
- Defense vessels
- Drilling rig platforms



Typical Technical Data*

Operating temperature limit 450°F (232°C)

Thermal conductivity

Normal Density 2.9 pcf (46.5 kg/m3)			
Mean		**Thermal**	
°F	**°C**	**Btu•in/(hr•ft2•°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

Thickness		Frequency, Hz						
Inches	**mm**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**NRC***
1	**25**	0.06	0.29	0.75	0.99	1.04	1.02	0.75
2	**51**	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

Trelleborg Applied Technologies delivers innovative and reliable solutions that maximize business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.

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