

VYBAR® MARINE

Rigid Acoustic Laminate Insulation for Marine Applications

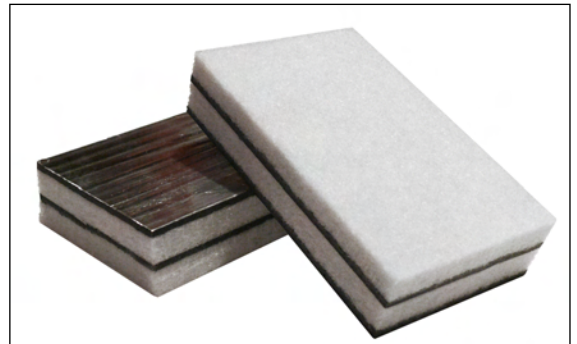
Tested and certified to meet the International Maritime Organisation resolution A635 (16) – recommendation on Improved Fire Test Procedures for Surface Flammability as amended by Resolution MSC 61 (67)

Acoustica's VyBar® is a rigid laminate noise barrier which has been specifically engineered to absorb and control noise and vibration in main and auxiliary engine enclosures and to line partition walls and bulkheads in marine vessels.

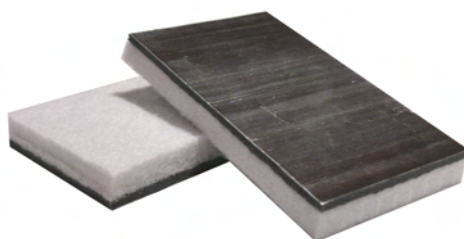
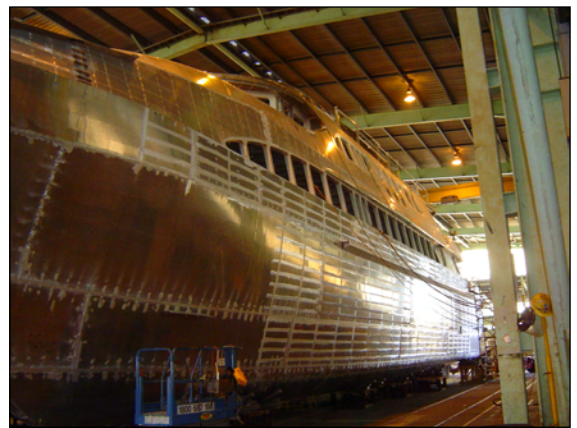
VyBar® has a unique material construction which unlike many other insulation materials results in high sound absorption coupled with resilience and compression loading capability.

VyBar® Marine has been tested by the CSIRO and certified that it meets the requirements for low flame spread of a bulkhead, wall and ceiling lining as specified by the International Convention for the Safety of Life at Sea, 1974 and the technical requirements of the amended IMO resolution MSC61 (67), Annex2, section 2.2

VyBar® Marine effectively treats the often combined phenomena of vibrations, sound transmission and sound reverberation encountered with most noise problems.



VyBar® 848F



VyBar® 48F

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VyBar[®] Marine is an extremely robust aluminium faced insulation with an indefinite life. VyBar[®] Marine does not shed fibres and will not delaminate; it is unaffected by vibration, oil, water and hydrolysis.

With an indefinite life, VyBar[®] Marine is an extremely economical material that effectively reduces sound radiation and sound transmission in the critical frequency region of rigid panels such as steel, fibreglass, aluminium, etc).

Service Temperature : -50 to 180C (no direct contact with heat source)

Supply:

VyBar[®] Marine is available in sheets with standard sizes:

- 1200 x 1200 x 8 mm (VyBar[®] 48F)
- 1200 x 1200 x 16 mm (VyBar[®] 848F)

Other sizes available on request.
Glue with CRAFT BOND 2300.

Flammability:

VyBar[®] Marine is fire rated according to AS1530.3

- Ignitability Index (0-20) = 0
- Spread of Flame (0-10) = 0
- Heat Evolved Index (0-10) = 0
- Smoke Developed Index (0-10) = 0-1

Sound Transmission Loss

Frequency (Hz)	Random Incidence Transmission Loss (dB)	
	VyBar [®] 48F	VyBar [®] 848F
1/3 Octave Centre Frequency		
100	19.6	28.4
125	19.7	25.0
160	17.8	28.8
200	18.2	24.7
250	21.4	26.1
315	22.9	24.6
400	22.9	28.3
500	24.3	29.5
630	25.2	32.5
800	26.1	34.7
1000	27.0	36.2
1250	28.0	38.6
1600	31.8	41.0
2000	36.5	45.3
2500	42.8	47.7
3150	48.4	50.2
4000	47.9	53.3
5000	47.6	55.8
STC	28	35

