



Acoustica's VyBar® Marine 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® Marine48F 10mm VyBar® Marine848F 20mm

Frequency Hz	Sound transmission loss dB for material bonded to 2mm aluminium		
1/3 octave centre frequency	VyBar 48F 10mm	Vybar 848F 20mm	Foil faced 25mm acoustic foam 5kg/m ³ noise barrier, 6mm decoupling foam (similar to INC Deci-Flex F25-5-06 & Soundguard Soundsorber Barrier)
100	19.2	28.4	17.1
125	17.6	25	15.7
160	16.4	28.8	16.9
200	17.3	24.7	17.5
250	19.9	26.1	17.8
315	21.2	24.6	19.8
400	21.7	28.3	21
500	22.8	29.5	22
630	24.2	32.5	23.1
800	25.4	34.7	24.5
1000	28.2	36.2	26.5
1250	31.2	38.6	28.2
1600	35.3	41	29.9
2000	38.1	45.3	31.6
2500	40.2	47.7	33.4
3150	41.9	50.2	35.3
4000	43.3	53.3	37.1
5000	41.5	55.8	38.6
Rw	28	35	30
Ctr	-3	-3	
Rw + Ctr	25	32	

FEATURES

- Group 1 fire rating
- Low cost, long lasting
- 10 year guarantee
- Easy to handle, cut and install
- Available in two thicknesses (10mm and 20mm)
- Unaffected by vibration, oil, water and hydrolysis
- Environmentally safe (no protective wear required)
- Designed and made in Australia

APPLICATIONS

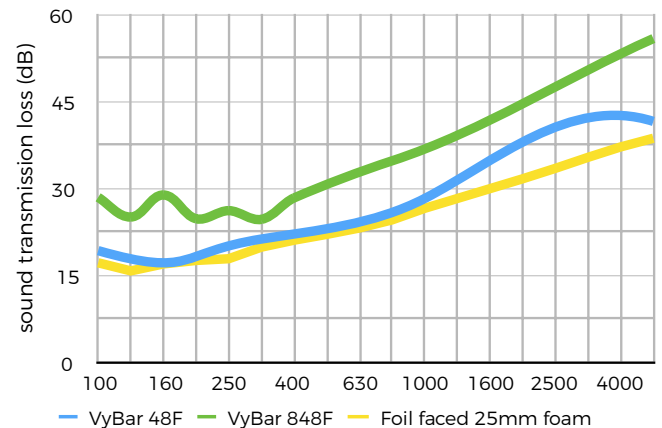
- Line partition walls and bulkheads
- Auxiliary engine enclosures
- Reduces sound transmission in critical frequency region on rigid panels including steel, fibreglass aluminium, etc

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

STANDARD SHEET DIMENSIONS

- VyBar® Marine 48F 1200x1200x10mm
- VyBar® Marine 848F 1200x1200x20mm



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). VyBar® Marine 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), Annex 2, section 2.2

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

