

EVOSOUND HD - EVOSOUND FR - EUROSOUND NAV

Technical data sheet

MATERIAL

A soundproofing material made of a polymeric compound and high density mineral fillers. The product is free of lead, unrefined aromatic oils and bitumen and does not contain substances which are hazardous to human health.

PRODUCT RANGE

Available in sheets and rolls in a range of thicknesses from 1 mm to 5 mm and in widths up to 1200 mm.

PRODUCT APPLICATION

A flexible high performance noise barrier useful for reducing airborne sound transmission and as a component of an acoustic system with good low frequency sound barrier characteristics.

SPECIFIC COMPOSITION

Compound composed of a 2 mm elastomeric high-density barrier. Available in different thicknesses.

Technical information	Reference data		Test standards
	HD and FR TYPE	NAV TYPE	
SERVICE TEMPERATURES	-20 °C / +110 °C	-30 °C / +90 °C	EN 14706
WEIGHT	1,90 ± 0,1 g/cm ³	2,1 ± 0,1 g/cm ³	EN ISO 1183-1 and 2
HARDNESS* (SHORE A)	80 ± 10 Shore A	85 ± 10 Shore A	EN ISO 868
TENSILE STRENGTH*	> 1 N/mm ²	> 1 N/mm ²	DIN 53504 / UNI 6065
ELONGATION AT BREAK*	> 20 %	> 20 %	DIN 53504 / UNI 6065
FIRE PERFORMANCE	FR: B-s2,d0		EN 13501-1
SHIPYARDS (MED)		EUROSOUND NAV MEETS REQUIREMENTS	IMO RES. MSC 307 (88) IMO MSC/Circ. 1004 MED 2014/90/EU Modules B and D
WEIGHTED SOUND REDUCTION INDEX (R _w) – AIRBORNE SOUND INSULATION RATING	26 dB(-1;-4)		EN ISO 10140-1, EN ISO 10140-2, EN ISO 717-1:2013

*Data refer exclusively to the 2 mm high density layer.

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Maximum temperature for adhesive versions: 90 °C

Please note that the insulating material is not designed to operate in direct contact with the conveyed fluid. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice. For specific requirements, please contact our Technical Department. The latest specific documentation and certifications issued are available upon registration on our website at: www.evocellmobius.it

Storage of adhesive-backed products: not exceeding one year.

It is the responsibility of the end user to verify the suitability of the product for the intended use, in relation to the specific conditions of use and installation. EVOCELL&MOBIUS reserves the right to modify the above data without prior notice.