



SOUNDECK

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Selection & Specification Data

Product Name	SounDeck Sound Transmission Barrier
Product Number	SounDeck Gen.1
Generic Type	Sandwich or Single system of sound transmission barrier core material with marine plywood
Description	Bitumen free mass loaded vinyl applied for sound transmission barrier. SounDeck, Sound Transmission Barrier may be used as single system between conventional insulation or with marine plywood as sandwich system to eliminate noise in low or high frequency. SounDeck provides dramatical noise reduction.
Features	<ul style="list-style-type: none"> ◆ Certified marine panels ◆ Excellent Sound Barrier Properties ◆ Provides anti-condensation protection. ◆ Different Compositions: <ul style="list-style-type: none"> 4 / 2 / 4 Furniture 4 / 4 / 4 Bulkheads, Separation walls, Shell Plates 6 / 6 / 6 Bulkheads, Shell Plates 8 / 6 / 8 Floor panels, Bulkheads ◆ Easy cutting easy mounting
Gloss	Flat
Color	Marine Plywood Panel's Colour

Applications

SounDeck may be used for different type of applications regarding the required sound level, and weight issues on board.

- 4 / 2 / 4
- 4 / 4 / 4
- 6 / 6 / 6
- 8 / 6 / 8

These sandwich SounDeck system sizes 2500x1200mm. Sizes may vary for the purposes of different applications such as bulkheads, separation walls, bulkheads, overheads, and floor panel.

SounDeck's unique composition and proven sound barrier technology allow SounDeck to kill more air noise transmission. It is suppressing airborne sound movement and eliminating unwanted sound/noise issues.

Sound travels two ways, through the air and through the structure. To reduce the sound energy through air, we need to kill the energy while sound passing on the bulkheads, overheads, floors. SounDeck by its unique composition kills the energy while putting a barrier system before the structure.

Design & Usage Purposes

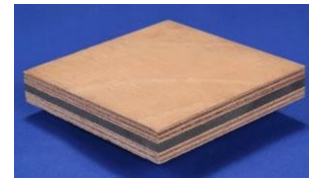
This is an acoustical structural panel designed mainly for use in engine room bulkheads or other structural areas in the boat.

Built with a cork/rubber core material, it provides excellent sound attenuation and good vibration dampening.

Available in thickness from 4/2/4, 4/4/4, 6/6/6, 8/6/8 in various combinations of wood and core thickness

This is our top of the line acoustical panel for use in structural applications where maximum sound attenuation is desired.

It also features excellent vibration dampening properties.



Safety & Cleaning

CLEAN UP	Panels may be cleaned with wet fabric.
SAFETY	No particular protection needed during application.
VENTILATION	Recommended for restricted areas, in case.
CAUTION	This material is not for human consumption.
CLOTHING	Safety clothing & gloves are recommended.

How does the Sound Barrier works?

Sound transfer is based upon three factors:

- A. the sound source (where the sound originates)
- B. the sound path (the vehicle that transfers the sound)
- C. the sound receiver (how we perceive the sound)

To control sound, it is vital to control at least one of these factors. Because in most cases it is difficult to control the source, controlling the sound transfer path is vital.

SounDeck incorporates special airborne noise eliminating core with a unique composition.

This composition suppresses the airborne movement through the sound path retarding airborne noise transfer through the path. By controlling the airborne noise, more comfortable places may settle on board ship or construction.

