

Bondal[®] Steel

Description

Bondal[®] Steel is our solution to combine structure born noise damping with cladding material. Usage of Bondal[®] Steel meets the need to create a higher comfort level in a easy applicable and an environmental friendly method.



Less weight –
more possibilities

Weight reduction

This damped cladding material requires no extra structure born damping material to reduce the vibrations in this sheet material.

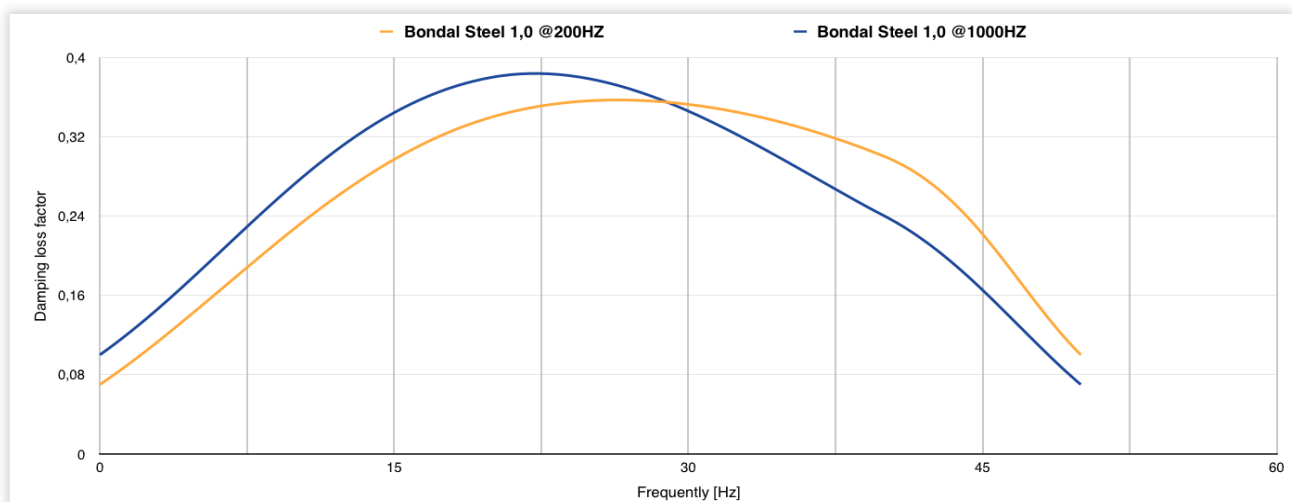


Less Noise –
more comfort

High damping

Due to the damping of the very thin visco elastic layer it is possible to replace the regular structure born noise damping with an internal damping layer of 0,05 mm. The acoustical performance of Bondal[®] Steel is mentioned in the graphic below.

Loss factor Bondal[®] Steel



Measured according to ASTM E-756-98



Less work –
more results

Quick 'n easy

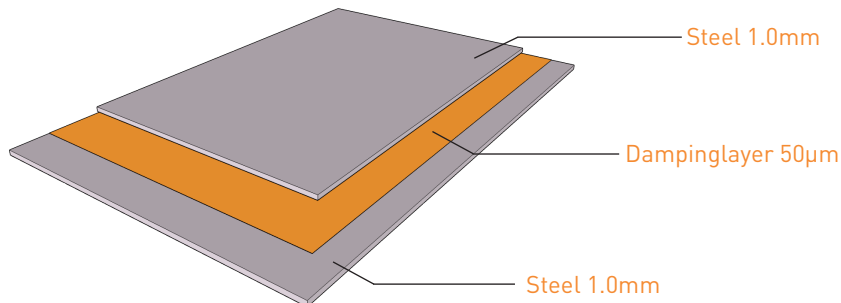
Applying Bondal® Steel as a damped cladding part of the ship substantially reduces the amount of onboard labor and drying times which are required by using anti drumming pastes with counter sheets and/or spray coatings on similar steel surfaces.



Less vibrations –
more layers

Material

Bondal® Steel is a sandwich material with the strength and possibilities of a monolithic steel sheet in the same thickness and quality.



Steel 1.0mm

Dampinglayer 50µm

Steel 1.0mm

Bondal® Steel properties

Material	DX51 Z275 M-A-C DX53D+ZA255 -B -S
Dimension	2.000 x 1.000 mm 2.500 x 2.500 mm Other dimensions on request
Thickness	Standard 1,55 or 2,05 mm, other thicknesses on request.
Test results	Test results are available on request
Environment	Fully recyclable
Coating	Powder coating in RAL colours on request
Weight	Approx. 7,8 kg/m ² per mm thickness



Less products –
more applications

Applications:

- Ceilings
- Walls
- Air ducts
- Enclosures
- And many more