Bondel Aluminium

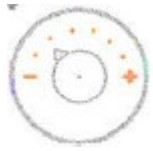
Description

Bondel Aluminium is our solution to combine structure born noise damping with cladding material. Usage of Bondel Aluminium meets the need to create a higher comfort level in an easy applicable, and an environmentally friendly method.

Less weight
More possibilities

Weight reduction

This lightweight damped cladding material reduces the total added weight of the structure borne noise damping system with approx. 100%. In case of a 3 mm. aluminium substrate, the reduction will be about 3,3 kg per square m² of damped material.

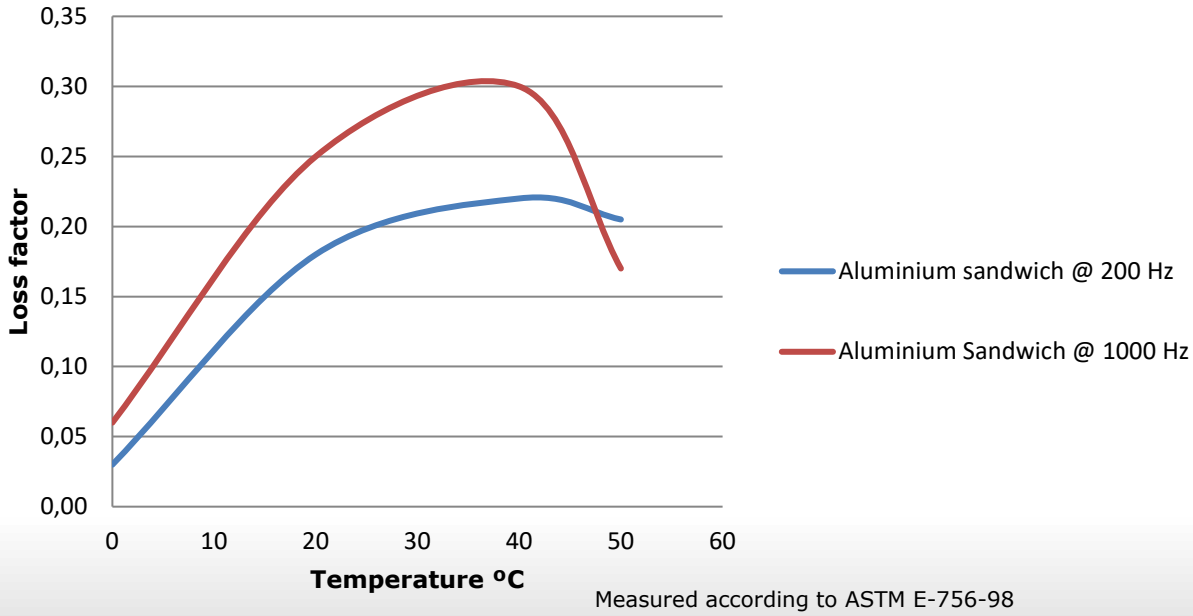


Less noise
More comfort

High damping

Due to the high damping of the very thin visco elastic layer, it is possible to replace the regular structure borne noise damping with an internal damping layer of 0,05 mm. The acoustical performance of Bondel Aluminium is illustrated in the graphic below.

Loss factor Bondel Aluminium



Measured according to ASTM E-756-98

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PULL
SINCE 1947

Less work
More results

Quick and Easy

Applying Bondel Aluminium, as a damped cladding part of the ship, reduces the amount of onboard labour and drying time substantially, which are required by using anti drumming pastes with counter sheets and spray coatings on similar aluminium surfaces.

Less vibrations
More layers

Sandwich

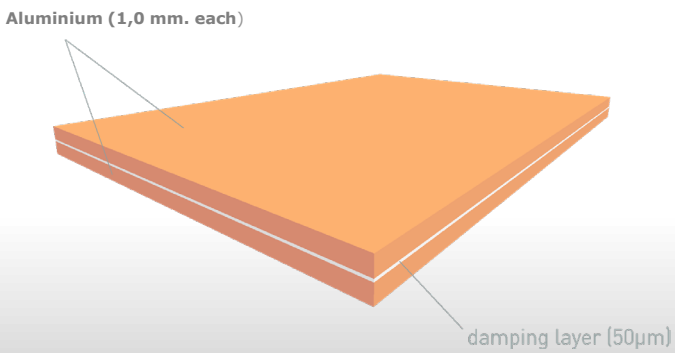
Bondel Aluminium is a sandwich material with the same strength and possibilities as monolithic steel, but with a much higher vibration damping.

Bondel Aluminium properties	
Material	EN AW 5754 H111
Dimension	2.000 x 1.000 mm 2.500 x 2.500 mm Other dimensions on request
Thickness Bondel	Standard 1,55, 2,05 or 3,05 mm, other thicknesses on request
Protection	Bondel is protected against saltwater environments
Environment	Fully recyclable
Test results	Full test results are available on request
Weight	2,8 kg/m² per mm thickness

Less products –
More applications

Applications

- ceilings
- walls
- air ducts
- enclosures
- and many more



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