Coated Bondel Steel

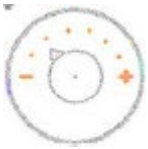
Description

Coated Bondel Steel is our solution to combine structure born noise damping with cladding material. Usage of Coated Bondel Steel 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 steel substrate, the reduction will be about 9,5 kg per square m² of damped material.

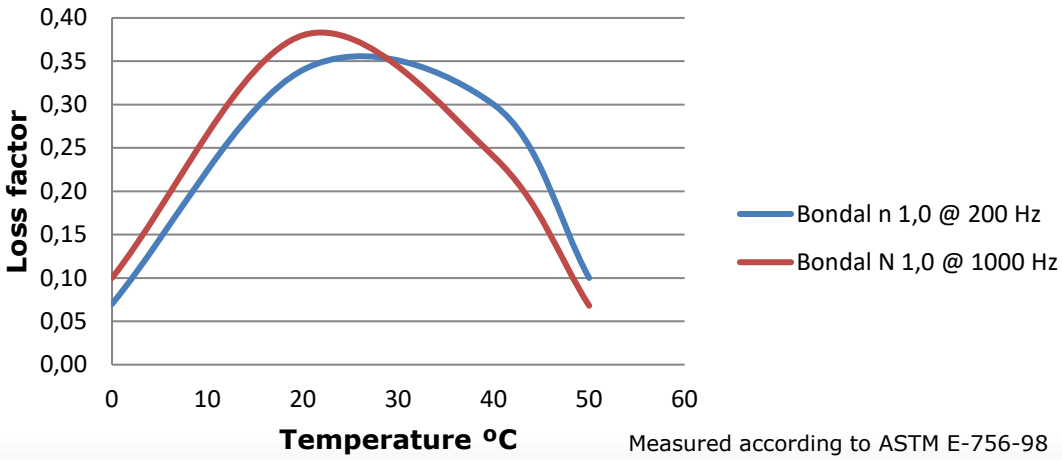


Less noise
More comfort

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. See the acoustical performance of Coated Bondel Steel in the graphic below.

Loss factor Coated Bondel Steel



Measured according to ASTM E-756-98

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PULL
SINCE 1947

Less work
More results

Quick and Easy

Applying Coated Bondel Steel 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 steel surfaces.

Less vibrations
More layers

Coating

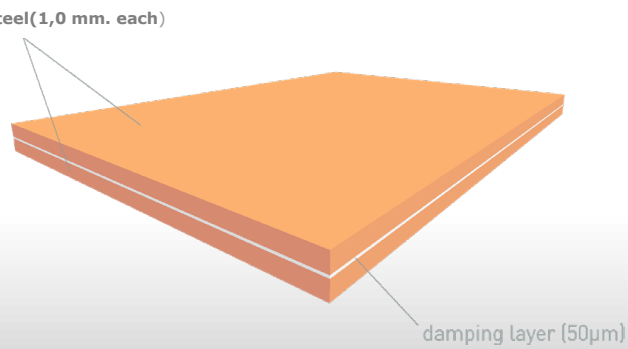
Coated Bondel Steel is pre-coated with a polyester paint. Standard colours are RAL 9003 and RAL 9010. Both are coated in high gloss. Correction can be made with polyester paint or, after using a primer, a polyurethan paint. Maximum temperature for the coating is 70 degrees Celsius.

Coated Bondel Steel properties	
Material	Dx51D + Z275 M-B-C.
Dimension	2.000 x 1.000 mm. 2.500 x 2.500 mm. Other dimensions on request
Thickness Bondel	Standard 1,55, or 2,05 mm, other thicknesses on request
coating	45 mµ polyester coating in 9003 and 9010
Environment	Fully recyclable
Test results	Full test results are available on request
Weight	7,8 kg/m² per mm thickness

Less products –
More applications

Applications

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



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