

## Bondel ER

### Description

**Bondel ER is our solution to combine construction born damping in one lightweight and very rigid panel.**



Less weight  
More possibilities

### Weight reduction

With a weight of approx. 6,1 kg per m<sup>2</sup> it is easy to use large dimension panels. The rigidity of the panel also makes it easy to work with a low number of support frames behind the panel. A support distance of 1.250 mm is feasible.

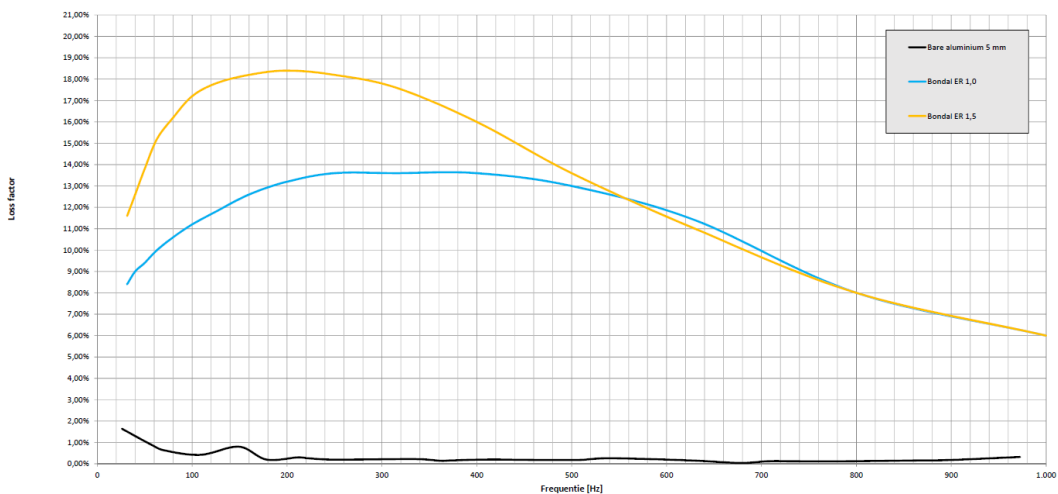


Less noise  
More comfort

### High damping

Due to the unique combination of a high rigid core topped with our damping system, we are able to realise an impressive damping. The results are illustrated in the graphic below.

### Bondel ER



Free hanging test by Van Cappellen Consultancy



Less Work  
More results

### Quick and Easy

Due to the high rigidity of the panel, Bondel ER only needs a few support points to guarantee a nice and flat assembly. Due to the possible dimensions a large surface can be covered with one panel.



Less vibrations  
More layers

### Material

Bondel ER panel is an aluminium sandwich panel. Due to the aluminium honeycomb core an extraordinary stability is combined with a very low weight. The added thin anti drumming layer guarantees the high damping.

### Bondel ER panel properties

Material	EN AW 5754
Dimension	Maximum length 3.000 mm, maximum width 1.250 mm
Thickness	Up to 40 mm
Bending stiffness	15.000 kNcm <sup>2</sup> /m
Environment	Recyclable
Coating	On request
Weight	6,1 kg/m <sup>2</sup> in case of 7 mm thickness
Certification	On request, material non-combustible



Less products  
More applications

### Applications

- Ceilings
- Cabins
- Cladding
- Enclosures
- And many more

