

Technical Data Sheet

Acoustic sustainable honeycomb panels

BEE [acoustic]

Honeycomb panels

- A 100 % sustainable solution with recycled paper core
- Produced in a circular manner
- Fully paper based
- Lightweight
- Strong & rigid
- Flat and smooth suited for digital printing
- Transformable in all free forms (through flatbed cutting)
- Suitable as acoustic buffer for composite construction
- Suitable for lamination with a broad range of top layers.

This patented innovation is suited for all (indoor) viscom applications.

COMPOSITION:

Fully paper based honeycomb 8 mm cell core lined with a strong top layer.

15.000 top layer perforations per sqm (both sides) for sound absorption on the inside.

Lightweight but with a high compression resistance.

Compression raw acoustic material	465 kg
Compression acoustic material + felt 10 mm	496 kg
Bending raw acoustic material	8,73 kg
Bending acoustic material + felt 10 mm	12,89 kg

GENERAL FEATURES

Circular, sustainable and 100 % recyclable fully paper based product:

FSC certified

Fire retardant B2

Fully paper based material

Thickness	25 mm standard 30 mm on demand / for big construction applications
Sizes	1200 X 2400 standard 1200 X 3000 on demand
Flat	Max 0,5 mm per 3 m
Strong	High compression and bending values
Lightweight	1,8 kg / sqm
Transformation	Simple transformation by flatbed plotting
Finishing	For basic application as a raw material As a composite or lamination material in combination with various materials : wood, textile, felt, linoleum, flocking, ... (added acoustic value !)
Printing	The toplayer of the raw material is perfectly suited for digital printing Using black and white with parts of the original paper colour is very esthetic, with a white underlayer and full colour on top the result is bright. (AGFA / Canon / Mimaki / Swiss Q print / Fujifilm / Efi ..)

Acoustic

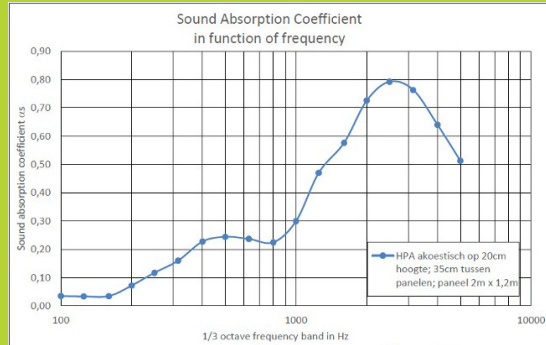
15000 perforations (recto- verso per M²)

Diameter hole 4 > 5mm

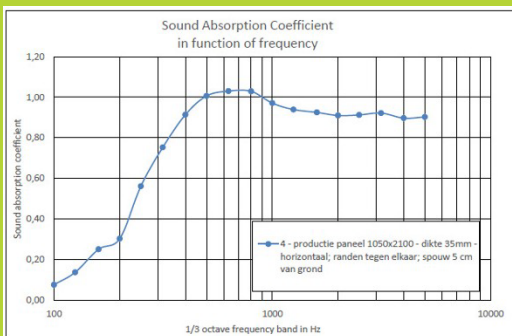
Distance between perforations 10 mm

Best performance in open space or 50 mm from the wall.

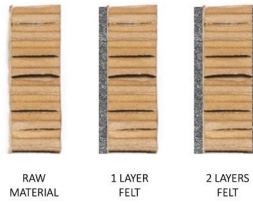
Raw Material



Composite material

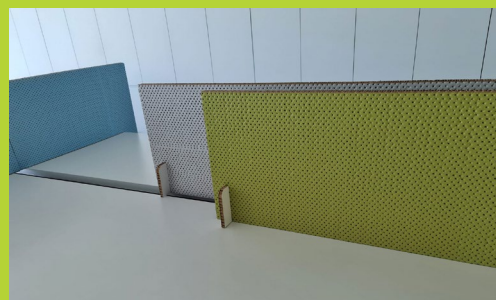


- 10 MM
- RECYCLED FELT 40/60%
- < 10 MM (COMPRESSED) FELT
- VALUE A CLASSIFICATION



Applications

Room divider / officedesk divider / acoustic panel / acoustic wall construction.



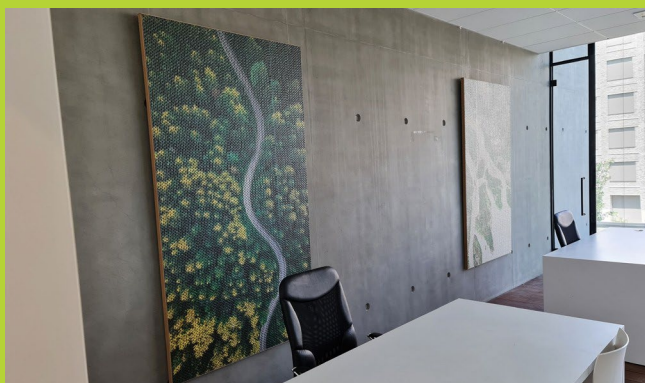
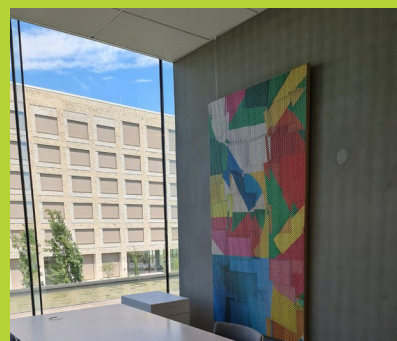
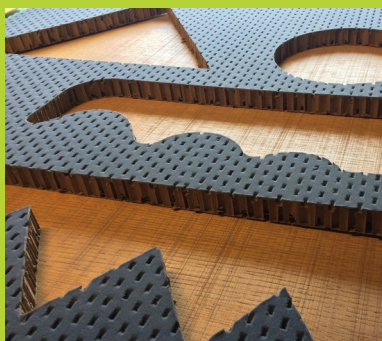
Accessories Edge covering.

Usefull for construction applications – **sustainable**

Paper based protection corners available in all sizes



[Clickable hyperlink](#) 



For information contact :

Annelore Maes
Business Development Manager Europe

annelore.maes@beelite.be
+32(0)473 91 02 22

Anne Franckstraat 5
7700 Moeskroen

info@beelite.be
+32 (0)56 78 88 88