



Our line of environmentally friendly acoustic solutions crafted from organic materials. Vibe Eco products are exceptionally durable and sustainable, helping with insulation and regulating room temperature to maintain optimal humidity levels. These materials offer superior sound absorption, fire resistance, and durability. Enhance your space sustainably with Vibe Eco.



SPECIFICATIONS

Dimensions

1200x600 mm panels

Thickness

30 mm

Basic Weight

12.6 kg/m³

Tolerances

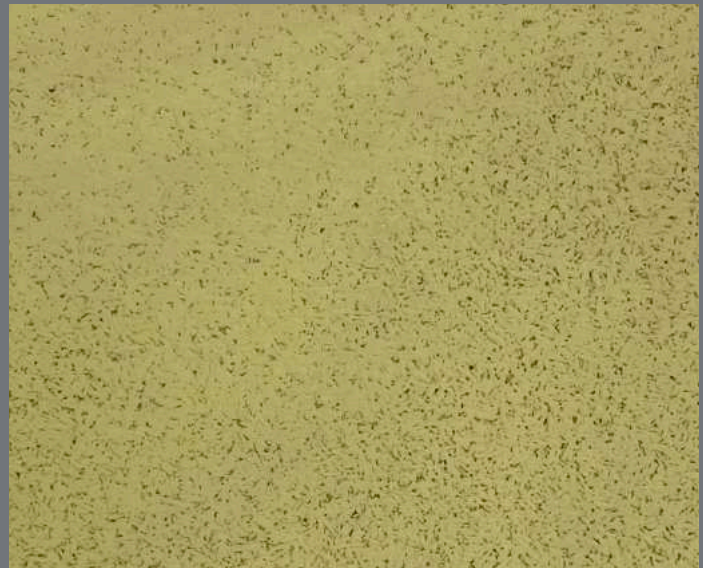
±2.9mm/m

Thickness swelling

0.9%

Tolerances

758 kPa



ACOUSTIC PERFORMANCE

Acoustic resistance

Class A – Class C

Installation system

Mounted on timber battens;
Unistrut threaded rods and dowel clips.

Emissions

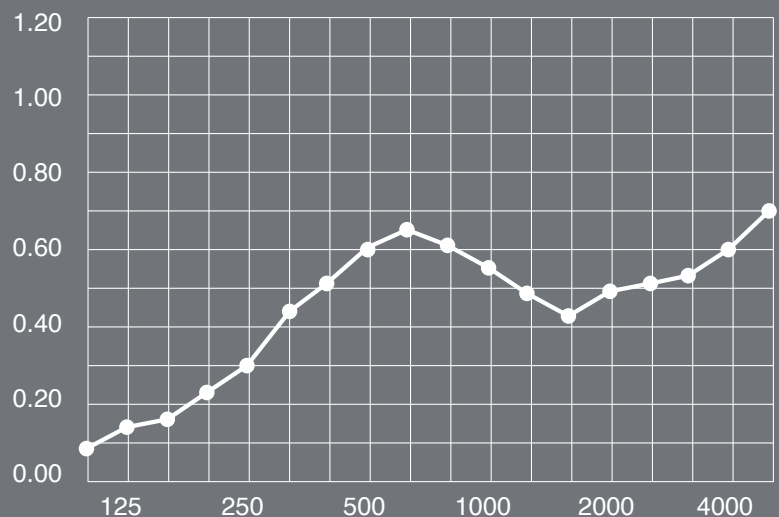
E1 class.

Acoustic Absorption

0,55(MH)

Sound Absorption

5,2 dB ± 1,2 dB



Using ISO11654

Absorption $a_w = 0.55$

Class D

Coefficient Reduction NRC 0.5



FIRE RATING

BS EN 13501- Class B s1-d0

Environmental

FSC certified upon request

Formaldehyde Emission

AgBB 02/2015, VVOC-

VOC Emission

A+

BENEFITS

- Formaldehyde-free
- Fire retardant
- Mildew resistant
- Waterproof
- Recyclable
- Easy processing
- CO₂ storage
- High edge stability
- Regulates humidity (45% - 55%)
- Optimum regulation of the room climate
- Neutralizes odors

APPLICATIONS

- Commercial Offices
- Meeting Rooms
- Theaters
- Home Cinemas
- Recording Studios
- Restaurants
- Banks
- Libraries
- Schools

SPECIFICATIONS

Dimensions

2400x600 - 2000x600
1200x600 - 600x600

Thickness

25 - 35 mm

Weight

12 - 15 [kg/m²]

Compressive stress at 10% deformation σ_{10}

≥ 200 kPa (15-40 mm)
 ≥ 150 kPa (50-75 mm)

Reaction to fire

Euroclass B-s1, d0

Application in adherence

aw up to 0.60

Empty air-gap

aw up to 0.65

Background filling with rock wool

aw up to 0.95



PERFORMANCE

Durability

Class C

Release of formaldehyde

Class E1

Standard

It complies with EN 13168 and EN 13964.

Thermal conductivity

0.070 λ_D [W/mK]

Thermal resistance

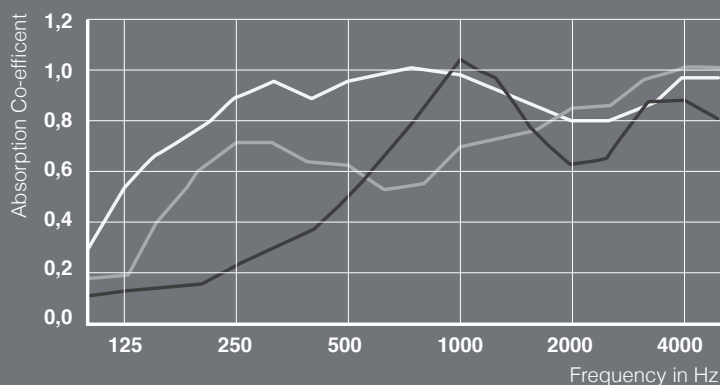
0.20 - 0.35 - 0.50 - 0.70 RD [m²K/W]

Thermal resistance

aw up to 0.95 - NRC up to 0.90

Reaction to fire

Euroclass B-s1, d0



- Application in adherence aw up to 0.60
- Empty air-gap aw up to 0.65
- Background filling with rock wool aw up to 0.95

FEATURES

Aesthetically pleasant.
High sound absorption performance.
Available with various edges and colours.
Fire resistant.
Unaffected by rising damp and moisture.
Shock and ball impacts resistant.
Water and frost resistant.
Environmentally friendly.

APPLICATIONS

- False ceilings
- Wall coverings
- Baffles
- Rafts & design solutions

CERTIFICATIONS



ISO 9001:2015 no. 1351
ANAB no. EDIL 2009_004
NATUREPLUS no. 1007-1511-134-1
EPD® S-P-02275
FSC® no. ICILA-COC-002789
PEFCTM no. ICILA-PEFCCOC-000117
ICEA no. LEED 2015_001
ICEA no. REC 2015_001

Environmental Impact

Industrial hemp absorbs between 8 to 15 tonnes of CO₂ per hectare of cultivation. In comparison, forests typically capture 2 to 6 tonnes of CO₂ per hectare per year. Hemp actually continues to sequester carbon throughout its lifespan. The cultivation of hemp can act as an alternative to deforestation as one hectare of hemp can produce the same amount of paper as 4 hectares of trees. Subsequently, hemp grows in 4 months, meanwhile, trees grow within an average time frame of 20-50 years.

Hemp is also much kinder to grow in comparison to other crops as it requires very little water and due to its ability to deter insects, it does not require pesticides that are harmful to the planet. It can also act as a sustainable replacement for plastic products as hemp can be re-released into the environment without causing harm.

Every year millions of trees are cut down for paper production, whilst plastic floods our rivers and seas, and oil corrupts our ozone. Hemp is a natural and toxic-free resource that still has the power to replace the damaging products that are circulating the earth. By using hemp as a material and a resource, we can continue to produce popular products at a lower cost, with faster growth, and minimum damage to the environment.

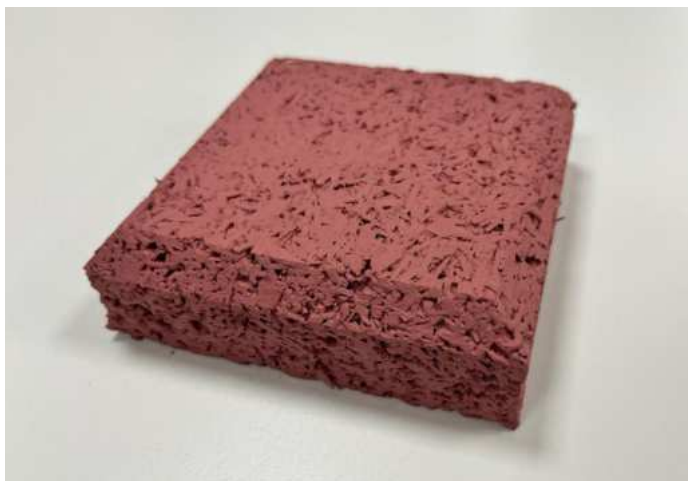


History

Due to hemp's importance, versatility and strength, farmers in 17th century Massachusetts, Virginia, and Connecticut were legally obliged to grow hemp crops and could face fines or prison time if they refused to grow hemp on their land. Not only was hemp held as an important crop for its use within the manufacturing of products, but it was also used as a form of legal tender and for paying taxes. Household names such as Henry Ford, created cars made entirely from hemp as it can be 10 times stronger than steel.

Hemp's rich history poses the question of why hemp is not the leading material in current times, and this is primarily due to the prohibition in America, and the politics and economic culture of the oil, paper and plastic industries. The American Prohibition saw the introduction of the Marijuana Tax Act 1937 and due to hemp's relation to the marijuana plant, the hemp industry hit a rapid decline, both in America, and across the globe. Along side this, the American businessman and politician William Randolph Hearst, who owned newspapers, magazines, and media in America, as well as large forests used for the purpose of producing paper, actioned for the use of tree paper instead of hemp paper within the state. Similarly, John D. Rockefeller, the richest man in the world at the time, owned an oil company which was being hit by competition from hemp oil manufacturers, and used his influencer to secure standard oil's popularity. The plastic industry was also being threatened by hemp as it could be used as an alternative to plastic, and Andrew W. Mellon, who was a major shareholder in the Dupont Company and had a patent for making plastic from petroleum products, used his connections to smother the competition.

As a crop, hemp has a long history of cultivation with records dating back as far as 8000BC. The oldest dated uses of hemp have been for rope and paper. One hectare of hemp can produce the same amount of paper as 4 hectares of trees and you can make 8 times the amount of paper from hemp and as compared to only 3 times the amount from wood.



Painted and Cut to custom shapes Hemp Panels

Project: Hunt Office

Match a RAL or Pantone colour for the Hemp's finish.



V-Grooved Hemp Panels with arches pattern

1200x600mm Panels
Bevel on outer edge

Match a RAL or Pantone colour for the Hemp's finish.



Patterns



9.1.Hexagon
600mm



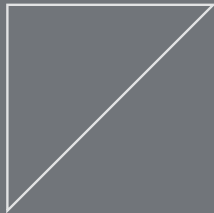
9.2. Rectangle
1200x600mm



9.3 Square
600mm



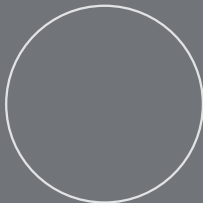
9.4 Right
600mm



9.5 Parallelogram
1200x600mm



9.6 Circle
600mm



9.7 Oval
1200x600mm



9.8 Semicircle
600x300mm



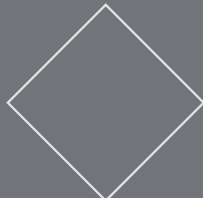
9.9 Pentagon
600mm



9.10 Triangle
600mm



9.11 Rhombus
600mm



9.12 Ring
600mm



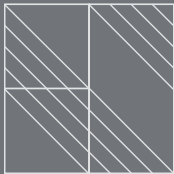
Patterns



9.13 Arches
1200x600mm



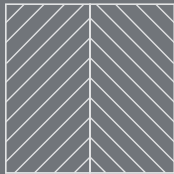
9.14 Angle 45°
1200x600mm



9.15 Angle 30°
1200x600mm



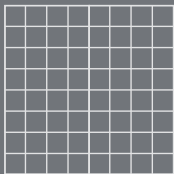
9.16 Angle 90°
1200x600mm



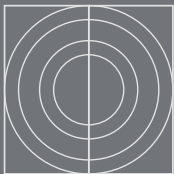
9.17 Lines
1200x600mm



9.18 Grid
1200x600mm



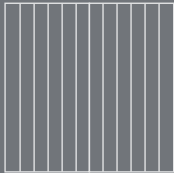
9.19 Circles
1200x600mm



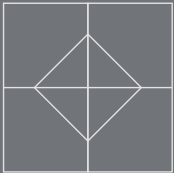
9.20 Geometric
1200x600mm



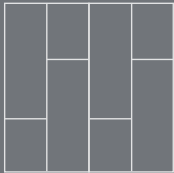
9.21 Reeded
1200x600mm



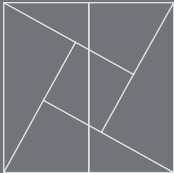
9.22 Quattro
1200x600mm



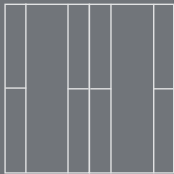
9.23 Bricks
1200x600mm



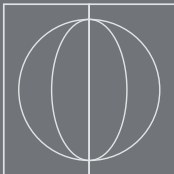
9.24 Prisma
1200x600mm



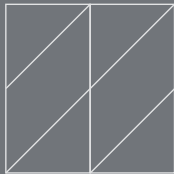
9.25 Slats
1200x600mm



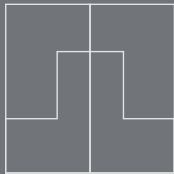
9.26 Sfere
1200x600mm



9.27 Diagonals
1200x600mm



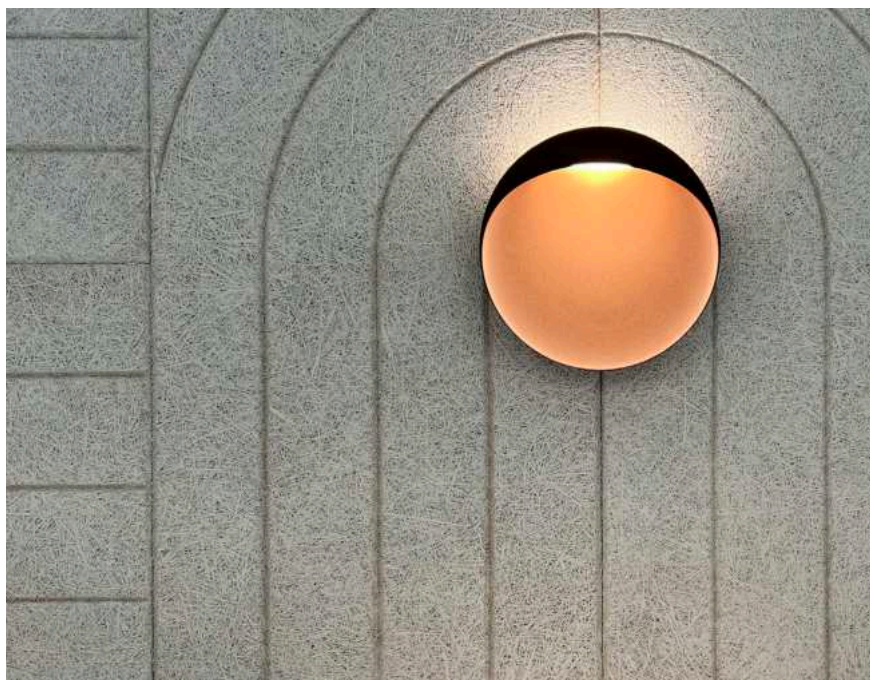
9.28 Blocks
1200x600mm



Vibe Eco Wood Wool is a premium thermal and acoustic insulation board made from mineralised thin fir wood wool, bound with white Portland cement. With a wood wool fiber width of 2 mm, these high-quality boards are ideal for designing acoustic absorption systems.

Compliant with EN 13168 and EN 13964 standards, Vibe Eco Wood Wool ensures environmentally friendly manufacturing processes. Offering superior sound absorption with certified α_w up to 0.95, these boards also boast excellent fire resistance, impact resistance, and moisture resilience.

Available in various edges and colors, Vibe Eco Wood Wool combines aesthetic appeal with outstanding acoustic performance, making it the perfect choice for any high-end sound-absorbing finish.



Vibe Eco Wood Wool

Project: Private Client



Project: National Lottery



