



# canwool®.com

## Absorber made of hemp

Can be used for all standard noise-protection panels.



- Renewable material
- Endlessly recyclable
- 10 dB absorption
- 28 dB sound insulation
- Fire class 3
- Permanent



- ✓ **Renewable raw material**, the hemp fibres used are a by-product of the cultivation of hemp (CBD products).
- ✓ **100% recyclable = endlessly reusable**, while mineral wool has to be dismantled under strict protective measures for health and environmental reasons when disposed of, hermetically packed, and expensively deposited in landfills, the hemp absorber is returned to the production cycle in a similar way to waste paper.
- ✓ **Outstanding acoustic properties**, sound insulation and sound absorption are better than with the alternative product (mineral wool).
- ✓ **Permanently functional**, testing according to EAD 040083-00-0404
- ✓ **Fire safety**, meets the requirements for fire resistance under DIN EN 1794-2:2011, Class 3
- ✓ **Not harmful to health**, the alternative product (mineral wool) is only allowed to be processed subject to special occupational health and safety measures.

Simply get in touch – we will be glad to advise you further:

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# Technical Data Canwool

Material: Hemp fibres pressed into sheets

Density: Approx. 140 kg/m<sup>3</sup>

Dimensions: D: 50mm H: 250mm/500 mm, L: max.2000 mm



**Weathering**  
according to EAD 040083-00-0404

**Result:**  
No significant change  
in the hemp panels



**Fire test**  
according to DIN EN 1794-2:2011  
Annex A

**Result:**  
Requirements meet Class 3



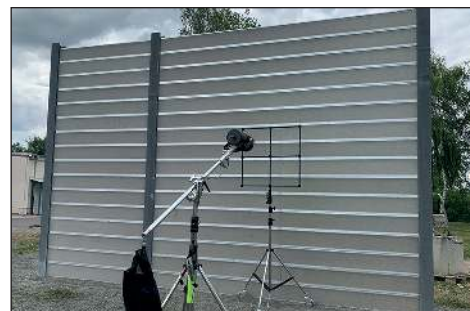
**Sound absorption test according to DIN EN ISO 354 and determination of the single number rating (DL<sub>a</sub>) according to DIN EN 1793-1 as well as the degrees of sound absorption coefficient (α<sub>s</sub>) according to Ril 804.5501 from DB Netz AG**

**Result:**  
according to DIN EN 1793-1 DL<sub>a</sub> = 10 dB



**In-situ test**  
of sound reflection  
according to DIN EN 1793-5

**Result:**  
Highly absorbent



**In-situ testing**  
of sound transmission  
according to DIN EN 1793-6

**Result:**  
28 dB

