

HEMP FIBRE INSULATION

HEMPLITH® Flex

Hemp fibre insulation, flexibly friction-fitted between rafters.

0.041
 $\lambda_{D,23,50}$ in W/(m·K)

9 h

Phase shift at 240 mm

0.70
 α_w at 50 mm, class C


APPLICATION

Insulation below the roof, on external facades, for impact sound insulation and in interior fit-out. Suitable for all stud cavities, including cavity and between-rafter insulation. Further applications are sound absorption and moisture regulation in internal partitions.

TECHNICAL DATA

Thermal conductivity $\lambda_{D,23,50}$	0.041 W/(m·K)
Reaction to fire	C-s2,d0
Water vapour resistance factor μ	≤ 2
Nominal density	30–40 kg/m³
Specific heat capacity c	2,300 J/(kg·K)
Moisture uptake, 100 mm mat	4.2 kg/m²
Thickness class	T3
Dimensional tolerances	Width ± 1.5 %, length ± 2 %
European Technical Assessment	ETA 24/0170
Composition	85 % hemp fibres, 15 % PES BiCo support fibres

FORMATS AND SUPPLY

Thickness (mm)	Mats/pack	m ² /pack	Packs/pallet	m ² /pallet
30	16	10.56	10	105.60
40	12	7.92	10	79.20
50	10	6.60	10	66.00
60	8	5.28	10	52.80
80	6	3.96	10	39.60
100	5	3.30	10	33.00
120	4	2.64	10	26.40
140	4	2.64	8	21.12
160	3	1.98	10	19.80
180	3	1.98	8	15.84

Mat size 1.100 × 600 mm. Special sizes on request.

INSTALLATION

- Check the clear cavity width before each cut.
- Cut approx. 10–30 mm oversize in length and width.
- Cut straight and accurately, friction-fit without gaps; avoid excessive compression.
- For details see the installation guide.

STORAGE AND TRANSPORT

- Transport dry and protected from precipitation.
- Store in the closed original packaging until installation.
- Place packs on a dry, level surface; store mats preferably standing on the long edge.
- Do not install damaged, soiled or wet mats.

SAFETY INFORMATION

- Wear suitable work clothing and protective gloves.
- Safety goggles for overhead work, dust protection for dusty cutting.
- Ventilate enclosed rooms adequately.

Basis: Declaration of Performance DoP-26/02-001-vhf. This technical information has been compiled on the basis of the latest state of the art and our experience. Owing to the variety of substrates and site conditions, the purchaser/user is not released from the obligation to check the materials professionally for their suitability for the intended purpose.