

INSULATION BOARD

HEMPLITH®

Therm

Hemp fibre insulation board for walls, ceilings, floors and flat roofs, inside and outside.

0.041 $\lambda_{D,23,50}$ in W/(m·K)**1.00** α_w at 100 mm, class A**30–160**

Thicknesses in mm



APPLICATION

Thermal and acoustic insulation of external walls in timber and solid construction including ETICS, of pitched and flat roofs, internal walls, intermediate floors, floor build-ups and suspended ceilings.

Application types to DIN 4108-10: DAD · DAA · DI · DEO · WAB · WI.

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
Density range	85–115 kg/m³
Compressive stress at 10 % deformation	≥ 25 kPa
Tensile strength parallel to faces	≥ 100 kPa
Sound absorption index α_w , 100 mm	1.00 (class A)
European Technical Assessment	ETA 24/0170
Composition	85 % hemp fibres, treated with soda as fire retardant, 15 % binder fibres (PES BiCo)

FORMATS AND SUPPLY

Thickness (mm)	Boards/pallet	m ² /pallet
30	134	88.44
40	106	69.96
50	84	55.44
60	72	47.52
80	52	37.32
100	42	27.72
120	36	23.76
140	30	19.80
160	26	17.16

Board size 1.100 × 600 mm. From 100 mm bonded composite boards. Pallet size 1.100 × 1.200 × 2.200 mm.

INSTALLATION

- Lay boards tightly butted and without gaps.
- Cut with insulation knife or saw.
- Fix by clamping, bonding or dowelling depending on application.
- For details see the installation guide.

STORAGE AND TRANSPORT

- Transport and store dry, flat and fully supported.
- Protect from precipitation and rising damp.
- Protect from mechanical damage.
- Do not install wet or damaged boards.

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-26/02-002-vht. 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.