

DRY LOOSE FILL

HEMPLITH® *Fill*

Dry loose fill of hemp shives and lime for levelling and insulation under screed and timber floors and for filling cavities.

0.054

λ_D in W/(m·K)

**up to 25
dB**

Impact sound
reduction ΔL_w , 6 cm

–86 kg

CO₂ per m³ in
production (A1–A3)



APPLICATION

Levelling and insulating layer in floor build-ups on soil, ground slabs and intermediate floors, under wet or dry screed, also with underfloor heating; tapered insulation on flat roofs and ceilings; cavity fill between joists, in timber frame and half-timbered construction and behind lining walls.

TECHNICAL DATA

Thermal conductivity λ_D	0.054 W/(m·K)
Reaction to fire	B-s1,d0
Density	175 kg/m ³ ± 2.5 %
Water vapour resistance factor μ	1.6
Compressive strength at 10 % deformation	426 kPa
Impact sound reduction ΔL_w , 6 cm on concrete slab	19 dB
Heat storage capacity	2,300 J/(kg·K)
Composition	Hemp shives and lime, dry mix

Impact sound reduction 25 dB with acoustic mat 4 × 2 mm.

SUPPLY

Package	Contents	Packages/pallet	Volume/pallet
Fill mineral, big bag	1,200 l	1	1,200 l
Fill mineral, bag	55 l	40	1,100 l

Storable for up to 12 months after production.

INSTALLATION

- Dry installation in layers of max. 10 cm.
- Level the fill and compact depending on the build-up.
- Do not install wet material.
- For details see the installation guide.

STORAGE AND TRANSPORT

- Store dry and protected from rain.
- Install within 12 months of production.
- Coordinate delivery dates with construction progress.
- Keep out of reach of children.

SAFETY INFORMATION

- The lime content can irritate the respiratory tract and skin and damage the eyes.
- Wear gloves, eye and face protection and clothing with long sleeves and trouser legs.
- Ensure adequate ventilation; in case of eye contact rinse immediately and thoroughly with water.

Basis: Declaration of Performance No. 008/2025. 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.