

# MEHABIT

**Insulation and levelling fill  
with adhesive effect in bound form  
to DIN 18560-2**

## Product description

Insulation and levelling fill for universal use and with building-authority approval, consisting of hemp hurds with solvent-free asphalt. The addition of asphalt guarantees that the fill adheres to develop a "bound form".  
**MEHABIT** meets the requirements of DIN 18560-2.

## Area of application

Height compensation on concrete or wooden beam suspended floors with high pressure loading capacity, as a substructure under dry, wet and mastic asphalt screeds. Stable filling and covering of cavities and conduit bundles.

### Recommended installation thickness

- From 10 mm (small areas) to 200 mm—going down to zero at points
- On smooth base surfaces (e.g. film) minimum height of roughly 10 mm



## Benefits

- Forms a bound seamless insulation and levelling layer
- Also suitable for high loads, as the fill does not pulverise
- Light weight and thus barely any effect on the load-bearing structure
- Dust-free
- Building-authority approval: DIBt [Z-23.11-1185]
- Meets the requirements of a "bound fill" in accordance with BEB – Bundesverband Estrich und Belag e.V. (2015)<sup>1</sup>

## Processing and laying guidelines

Only install **MEHABIT** on a dry base surface. Ensure that adequate protection from moisture is provided. Waterproofing against ground moisture and non-pressurised water must be specified by the architect and put in place before the fill is installed. For structural elements in contact with soil (e.g. ground slabs), configure the waterproofing in accordance with DIN.

When the fill is installed in areas where greater, and in particular dynamic loads are to be expected, sufficient pressure distribution must be provided (by means of load distribution plate, e.g. MEHASOL) to ensure that the installed fill is compressed evenly.

The general processing and laying guidelines, the set-up recommendations and the laying notes must be observed.

Technical data	Value	Unit (standard)
Thermal conductivity	0,060	W/(m·K) (DIN EN 12667)
Compressive stress at 10% compression*	0,070*	N/mm <sup>2</sup> (DIN EN 826)
Grain strength*	2,5	kN (DIN 4226-3)
Impact noise improvement (raw concrete suspended floor)	19-26	dB (sample inspection, values may vary depending on set-up)
Fire behaviour	B2	(DIN 4102-1)
Bulk density approx.	140	kg/m <sup>3</sup>
Water vapour diffusion resistance	9	(DIN EN 12806)

\* Average from inspections performed by MPA Stuttgart

<sup>1</sup> BEB – Bundesverband Estrich und Belag e.V. (2015); Hinweise zur Planung und Ausführung von Fußbodenkonstruktionen bei Rohdecken, Leitungen und Einbauteilen auf Rohdecken, Sammelmappe-Nr. 4.6. Published by: Bundesverband Estrich und Belag e.V. Troisdorf-Oberlar, German federal working group for screed and covering in the Zentralverband Deutsches Baugewerbe e.V. Berlin