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# KNAUF



Drywall Systems

## K437.de

Product Data Sheet

2023-01



# Trockenschüttung PA dry bulk leveller

Mechanically bonded bulk leveller made of volcanic stone from 20 – 100 mm

### Product description

Trockenschüttung PA dry bulk leveller is a grainy natural material made of expanded volcanic stone. The dry bulk leveller intermeshes to a stable and load bearing equalization layer thanks to the special mineral-based covering layer.

### Storage

Store on pallets in a dry environment. It can be stored indefinitely.

### Properties and added value

- High strength
- Robust and stable
- Improves sound insulation
- Non-combustible
- No addition of water during application

- No excessive installation height
- Easy to apply
- Under pre-fab floor screed and flowing screed
- Diffusion permeable
- Mineral grains

### Field of application

With Trockenschüttung PA dry bulk leveller every uneven basic floor can be permanently levelled. Installation pipes laid on the floor disappear into the equalization layer. Knauf Brio Pre-fab Floor Screed or self levelling floor screed can be laid on Trockenschüttung PA dry bulk leveller. Trockenschüttung PA dry bulk leveller may not be used in wet rooms (slopes, drains) as well as in rooms where dynamic loads (washing machines, driers, etc.) occur.

## Application

### Substrate and pretreatment

Ensure that there is a fully stable, load-bearing substrate made of planks or wooden composite boards in case of wood joist ceilings. Application over false ceilings and levelling with bulk leveller only if sufficient load bearing capacity of the false ceiling is assured. For wood joist ceilings use permeable material (e.g. Knauf Schrenzlage synthetic coated kraft paper) as trickling protection and apply on the walls and other rising components. To obtain clean straight edges, fold Knauf Schrenzlage synthetic coated kraft paper beforehand if necessary.

On newly constructed reinforced concrete coverings, lay a 0.2 mm thick PE foil (as protection against any possible rising residual moisture), if required, overlapped by at least 20 cm and apply to construction height on the walls.

Avoid hollows in the perimeter areas when applying PE foil or Schrenzlage. Do not use Trockenschüttung PA dry bulk leveller on wooden plank stack slab

ceilings.

### Application

Distribute Trockenschüttung PA dry bulk leveller with a minimum infill height  $\geq 20$  mm on the basic floor and level using aligned alignment rails (levelling board set). Compact additionally if the bulk leveller height exceeds approx. 50 mm.

In order to make application of EPS insulation layers easier on Trockenschüttung PA dry bulk leveller, cover with a board cover (Knauf board GKB) to distribute the load.

A board cover (Knauf board GKB) to distribute the load is obligatory below mineral wool insulation layers as well as with direct application of flowing screed on Trockenschüttung PA dry bulk leveller.

Fix pipes, cables, etc. on the basic floor and cover with a layer of at least 10 mm Trockenschüttung PA dry bulk leveller.

## Technical data

Description	Standard	Unit	Trockenschüttung PA dry bulk leveller
Grain size	–	mm	1 – 6
Bulk density $\rho_s$ in non-compressed state	–	kg/m <sup>3</sup>	approx. 550
Bulk leveller height	–	mm	20 – 100
Weight per unit area	–	kg/m <sup>2</sup> per cm height	approx. 5.5
Thermal conductivity $\lambda$	–	W/(m·K)	approx. 0.23
Building material class	DIN 4102	Class	A1
Compressive strength (compressive stress with 10 % compaction)	–	N/mm <sup>2</sup>	approx. 0.31

The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.

## Material requirement and efficiency

Material	Consumption per m <sup>2</sup> and 1 cm levelling
Trockenschüttung PA dry bulk leveller	Approx. 10

## Product range

Description	Application	Packaging unit	Material number	EAN
Trockenschüttung PA dry bulk leveller	50 l/bag	21 bags / pallet	00003701	4003982042309

## Sustainability and environment

Short description	Unit	Value
Requirements of the German AgBB-scheme	–	fulfilled
Complies with the requirements of the French emission class	–	A+



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