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KNAUF



Floor Systems

F475.de

Product Data Sheet

2022-09



Schwere Schüttung

Infill for improvement of the sound insulation with wood joist ceilings

Product description

Schwere Schüttung is a grainy material made of natural anhydrite (grain size 0.5 mm to 4 mm, residual moisture $\leq 0.3\%$). The special grain structure allows the grains to interlock ensuring that they are capable of high loads.

Storage

Can be stored for an unlimited period when stored in a dry place.

Properties and added value

- Improves the footfall sound and airborne sound pressure levels
- Certified under prefabricated and flowing screed as well as thin-layer underfloor heating system
- Equalization of basic floors from 15 to 150 mm
- Levelling of fittings
- No excessive installation height is necessary

- No compaction necessary (only under pre-fab floor screed in the corners)
- Robust and stable
- Non-combustible

Field of application

Schwere Schüttung is used as follows:

- As filling for wood joist ceilings to improve the sound insulation analogue to DIN 4109-33:2016-07
- As a basic floor equalization on wood joist ceilings under prefabricated and flowing screed as well as thin-layer underfloor heating, e.g. for equalization of unevenness and surrounding pipes

Note

Schwere Schüttung infill should only be used for permanently dry applications.

Do not install under floors with high level of water exposure (W2-I and W3-I acc. to DIN 18534-1).

Application

Substrate and pretreatment

Ensure that there is a fully stable, load-bearing substrate with wood joist ceilings. Application over dead floor and levelling with bulk leveller only if sufficient bearing capacity of the dead floor is assured. Use permeable material (e.g. Knauf Schrenzlage synthetic coated kraft paper) as trickling protection and apply on the walls and other rising components. Avoid hollow channels. To obtain clean straight edges, fold Knauf Schrenzlage synthetic coated kraft paper beforehand if necessary. Do not use Schwere Schüttung infill on wooden plank stack slab ceilings and implement constructional measures to avoid trickle because of subsequent deformation due to shrinkage of the ceiling.

Installation

As a connection to the wall apply 12 mm thick mineral wool edge insulation strips or for flowing screed without fire protection requirements apply FE Randdämmstreifen edge insulation strips with foil (8/100 or 10/120). Distribute Schwere Schüttung heavy-duty acoustic infill with a minimum infill height ≥ 15 mm on the basic floor and level using alignment rails or with an even, horizontal substrate using a surface rake (e.g. squeegee with pins or guides).

For installation under pre-fab screed, in corners compact the Schwere Schüttung infill on an area of about 40 cm x 40 cm, e.g. using a finishing trowel.

Below mineral wool insulation layers as well as with direct application of flowing screed on Schwere Schüttung infill, a board cover (e.g. Knauf Gypsum Board GKB or Vidiwall 1Mann) is required to distribute the load.

Fix pipes, cables, etc. on the basic floor and cover with a layer of at least 10 mm of Schwere Schüttung infill.

Technical data

Description	Standard	Unit	Schwere Schüttung
Layer thickness	–	mm	15 – 150
Reaction to fire	EN 13501-1	–	A1
Graining	–	mm	0.5 – 4
Bulk density	–	kg/l	approx. 1.65
Weight per unit area	–	kg/m ²	approx 16.5 per cm height
Compressive strength, compressive stress with 10 % compaction	–	kPa	> 300
Thermal conductivity λ_{10}	EN 12664	W/m-K	0.241

Material requirement and efficiency

Layer thickness	Consumption kg/m ²
Per 1 cm infill depth	16.5 kg

All specifications are approximate values and can deviate depending on the substrate. The exact consumption can only be determined on the individual object.

Product range

Description	Package	Packaging unit	Material number	EAN
Schwere Schüttung	25 kg	42 bags / pallet	00651542	4003982467706



Observe safety data sheet!

For safety data sheet see
pd.knauf.de



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