



AQUAPANEL®

08/2017

AQUAPANEL® Levelling Fill

Description

AQUAPANEL® Levelling Fill from Knauf Aquapanel is a levelling fill for use under dry floor components. Used in combination with AQUAPANEL® Cement Board Floor, it provides the perfect floor structure.

Scope/area of application

AQUAPANEL® Levelling Fill is ideal for height levelling, fire protection, heat insulation and impact sound resistance. When compacted by light surface pressure, it becomes a homogeneous insulating layer. This is because the granules adhere and bond to produce a material that meets the requirements of a levelling layer in "bonded form".

Processing/application

Preparation: Establish the floor height and the desired finished height of the fill and mark datum positions on walls at intervals of around 2 m. Apply AQUAPANEL® Levelling Fill, allowing 10% extra depth to cater for later compaction. The templates are aligned to this final depth later.

Aligning templates: Starting at the wall furthest away from the door, place a strip of AQUAPANEL® Levelling Fill about 25 cm wide along the wall up to the marked depth of fill (top point) such that the upper marking line, including the 10% excess, is slightly covered. Put a second auxiliary strip 2.5 m away from the first strip.

Laying the fill: Fill the area between both template layers with AQUAPANEL® Levelling Fill. At the thinnest point or over pipework, apply AQUAPANEL® Levelling Fill to a depth of at least 1 cm.

Levelling the fill: Make sure the AQUAPANEL® Levelling Fill is evenly spread.

Warning: to avoid undesired pre-compaction, you must not tread on the fill.

Covering/compacting: Without treading on the fill, and working from the door outwards, lay cover boards over the entire surface, avoiding cross joints. It is then possible to walk on the floor. For planned fill depths up to 6 cm, an impact sound insulation board or a fibre board may be used. For a fill depth of more than 6 cm, the fill must be mechanically compacted.

Properties

Straightforward levelling: AQUAPANEL® Levelling Fill can be used to level out any sloping or uneven floors. Even pipes running along the floor can simply "disappear" into the insulation fill.

Made-to measure thermal insulation: AQUAPANEL® Levelling Fill can be installed under dry screed flooring at different thicknesses depending on the thermal requirements.

Impact sound insulation included: AQUAPANEL® Levelling Fill provides notable impact sound insulation. In a system, it improves the impact sound insulation by up to 31 dB!

High load-bearing capacity: AQUAPANEL® Levelling Fill forms a strong, jointless substrate with a high load-bearing capacity.

General-purpose system: Any dry screed flooring can be laid on the covered AQUAPANEL® Levelling Fill insulation fill. Please refer to the manufacturer's guidelines.

First-class fire protection: AQUAPANEL® Levelling Fill has a B2 rating under DIN 4102. Depending on the final floor construction, and when combined with AQUAPANEL® Cement Board Floor, a fire rating of F 90 can be achieved.

Tried and tested quality: AQUAPANEL® Levelling Fill has been approved by the "Deutsche Institut für Bautechnik" and is also subject to on-going strict quality monitoring.

Technical data

Grain size d	0 - 6 mm
Bulk density ρ_s	approx. 165 kg/m ³
Fill capacity	100 l/bag
Weight per unit area (installed)	1.85 kg/m ² per 1 cm thickness
Rating value for thermal conductivity λ	0.060 W/(mK)
Building material class	B2, DIN 4102
Compressive strength (compressive strain at 10% compression)	≥ 90 kPa

Material coverage

11 l AQUAPANEL® Levelling Fill are needed for 1 m² at an insulating layer thickness of 1 cm.

Method of delivery/storage

- 22 x 100 l bags per Euro pallet (= 2.2 m³)

Item code: 89754

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AQUAPANEL® is a technologically advanced building system. Because it's a system, it involves clear step-by-step process from design idea to project completion. AQUAPANEL® cement board panels, accessories and services work in unison – you can be certain that your project will all come together as planned.

AQUAPANEL® is a registered trademark.

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