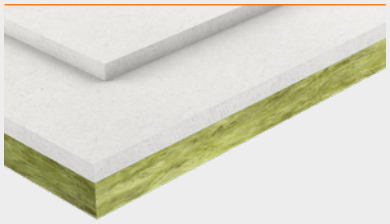
fermacell®

Perfect dry acoustic underlayment

for every type of floor

fermacell® flooring element (for differently stressed floors)



fermacell® flooring element with mineral wool (To reduce impact sound and noise ecologically)

fermacell® flooring element with wood fibre (To reduce airborne and impact sound and noise)

fermacell™ flooring systems are designed for use as floating floors in a wide variety of applications. Manufactured from fermacell® Gypsum Fibreboards, they give a dry, robust, and simple solution for your flooring requirements.

fermacell® Flooring Elements consist of two 10 mm or 12.5 mm thick fermacell® Gypsum Fibreboards glued together. The two boards are offset from one another, so that there is a 50 mm wide rabbeted edge. The element dimensions are 1500 × 500 mm (with 0.75 m² surface area). fermacell® Flooring Elements are available with and without different insulation linings.

Advantages :

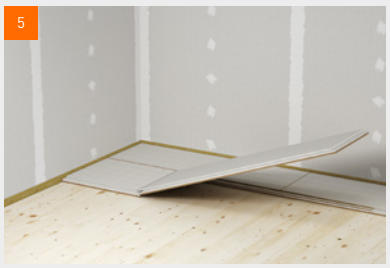
- CCMC evaluated
- Best sound insulation
- Low weight and fast installation
- Compatible for all floor coverings
- Rapid usable after installation
- Eco friendly solution

Install perimeter insulation strip, butt-jointed

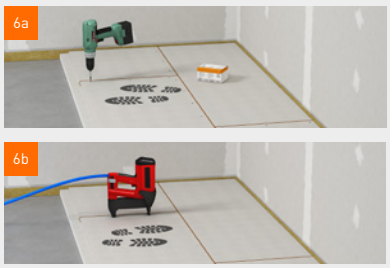
Cut away the protruding seam for the first installed row

Lay fermacell® flooring elements

Apply fermacell™ floor glue seam area



Bond elements ensuring joints fully filled



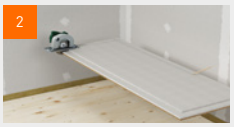
Secure using screws or special spreading staples within 10 minutes.

Installation of fermacell® flooring element

1


Perimeter insulation strips

Any components close by (e.g. walls, supports, heating pipes) must be fully decoupled from the screed construction (including floor covering), e.g. using fermacell™ perimeter insulation strips. When laying screed elements, it must be ensured that the perimeter insulation strip is not compressed. The protruding perimeter insulation strip should not be removed until the floor covering has been laid.

2


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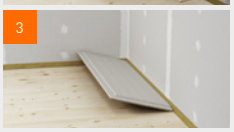


Installation pattern 1

fermacell® gypsum fibre screed elements are installed from left to right in a raking stretcher bond pattern (joint staggering ≥ 20 cm). The corners of four boards must not come together.

First row, element 1:

- Cut away protruding seam on the short and long sides.

Element 2:

- Cut away protruding seam on the long side only.

Element 3:

- Cut to length.
- Then cut away the protruding seam on the long side.
- The offcut can be used to start the second row of laying. Note that the offcut must have an edge length of at least 20 cm.

4

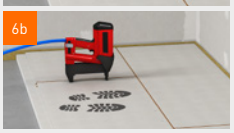

Bonding overlaps of fermacell® gypsum fibre screed elements and Powerpanel TE

Screed elements are bonded using fermacell™ screed adhesive

- Consumption approx. 40–50 g/m²
- Approx. 20–25 m² of installed area per bottle

This involves applying two adhesive ribbons to the seam (diameter approx. 5 mm). This is performed in one go using the double opening in the bottle's head.

6a


6b


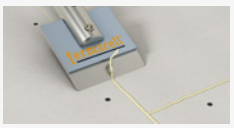
Attachment of overlap bonding

The elements should be screwed or stapled together within 10 minutes to prevent height disunity caused by swelling of the adhesive.

Maximum spacing of fixtures:
Screws: 200 mm for gypsum fibre screed elements (fermacell™ drywall screws)
Special spreading staples: 150 mm for fermacell® gypsum fibre screed element

To ensure the necessary contact pressure, the installer's bodyweight is placed onto the upper fermacell® screed element while screwing/stapling to the element below.
Recommende staples :

- for 2 E 11, 2 E 31, 2 E 32 (2×10 mm): Length 18-19 mm Diameter ≥ 1,5 mm
- for 2 E 22, 2 E 34, 2 E 35 (2×12,5 mm): Length 21–22 mm Diameter ≥ 1,5mm



After curing (approx. 24 hours at 20 °C and 65 % rel. humidity), the fermacell™ screed adhesive should be chipped off using the fermacell™ adhesive scraper or a trowel or chisel. fermacell® screed elements can be walked on with due caution during the installation process The fermacell™ screed adhesive must fully cure (approx. 24 hours at 20 °C and 65 % rel. humidity) before full load is applied.

Further information

For more information and installation details, please see "Fermacell™ Flooring Systems Planning and Installation" at **www.fermacell.com**

General processing conditions

fermacell® flooring elements must not be installed at an average air humidity above 70 %. The adhesive bonding of fermacell® flooring elements should be performed at a relative air humidity of ≤ 70 % and a room temperature of ≥ + 5 °C
The adhesive temperature should be ≥ + 10 °C (recommended: ≥ + 15 °C). The screed elements must be adapted to the atmospheric environment. After the use of adhesive, there must be no significant change to the atmospheric environment for at least 24 hours. Concrete structure : If the component contains residual moisture (core moisture), the rising of moisture into the dry subfloor structure must be prevented using a PE film (0.2 mm).
Wood Structure : Tongue-and-groove floorboards or composite wood boarding may be installed on top of wooden joists in ceilings. The structural properties of wood joist ceilings must be inspected and repairs made where necessary prior to installing fermacell® flooring elements

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