

weber.floor 4955

Acoustic and decoupling membrane

Thin decoupling and acoustic membrane under thin screeds in renovation works

Fields of application

As thin decoupling acoustic and decoupling membrane which is applied loose (unbonded) under high-performance self-levelling thin-layer screeds, e.g. weber.floor 4310, 4320 or 4365.

It is primarily used for renovation works in residential and commercial buildings whenever a limited construction height is available. For indoors

Description

weber.floor 4955 is a factory-made fiberglass mat, laminated with PE-foil on both sides. With official approval Z-23.21-1964.

Main features

- easy and quick application via rolling out of sheets
- allows a thin-layer system design of 28 mm
- self-bonding on one side for overlapping works
- improvement of foot sound absorption up to 20 decibels (on a normed concrete slab)
- only 10% maximum compressibility
- can withstand service loads up to 500 kg/m²
- with official approval

Technical values

Thickness, width and length:	2.5 m, 1.0 m and 30 m
Weight:	0.38 kg/m ²
Reaction to fire:	class B s1 (EN 13501-1)
Dynamic stiffness:	11-50 mN/m ³

Reduction of foot sound
absorption
for a 25 mm thin-layer screed:

ΔL_w up to 17 dB (decibels) according to EN ISO 10140
and 717-2

Quality control

weber.floor 4955 is subject to a regular internal and external quality control.

General notes

- Respect national guidelines and standards.
 - For application on floating constructions and heated screeds, separate all ascending components around and within the floor construction (walls, pillars, etc.) with a 8-mm thick edge insulation foam strip, e.g. the acoustic strip weber.floor 4960. It must reach downwards from the substrate up to the final covering.
 - The mentioned improvement of foot sound absorption has been measured after internal and external laboratory tests. However, the actual acoustic improvement always depends upon the specific job site conditions. In case of doubt apply the materials on a test area and measure the sound absorption.
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Substrate preparation

All load-bearing, dry and clean substrates are allowed.

Substrate preparation

- The substrate must be even, load-bearing, permanently dry and free of larger cracks.
 - Level out deeper unevennesses and surfaces with strong profile, by using an appropriate weber.floor primer and smoothing mortar.
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Working instructions

- Prior to application store the material at moderate temperatures.
 - weber.floor 4955 is supplied in rolls with a self-adhesive strip longitudinally on one side in order to achieve a fixed connection of between two rows.
 - The membrane is rolled out in the longitudinal direction of the room. Before the second row is laid, ensure that it is directly connected to the self-adhesive strip of the former row. Continue the application in the same manner to cover the whole floor surface. Check that the overlapping areas are properly sealed.
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- If necessary, cut the one side without self-bonding strip with scissors, depending upon the room geometry.
- The joints between the edge insulation foam strip, e.g. the acoustic strip weber.floor 4960 and the membrane weber.floor 4955 are sealed with a flexible (acrylic or similar) sealant to prevent the fresh levelling mortar from flowing in-between; this would cause sound bridges that are hard to find and to be repaired afterwards.
- Lay out the glass fiber mesh weber.floor 4945 (with overlapping of approx. 50 mm) over the membrane.
- Afterward following levelling materials can be applied as load-distributing layer onto the mesh: weber.floor 4310 (normal-setting and -drying, flow cement-based floor levelling compound), weber.floor 4320 (fast-setting and-drying, flow cement-based floor levelling compound) or weber.floor 4365 (self-levelling, cement-based thin-layer screed). Observe to the technical data sheets.
- All pre-said materials are applied in at least 25 mm and maximum 50 mm thickness.
- In case of heated floors lay weber.floor 4955 under the insulation boards.

Practical information

Storage:

The product can be stored max. 24 months, if kept cool, dry and in upright position.

Packagings

Type	Sales unit	Number / euro-pallet
Roll	30 m ² / roll	16 rolls

The information in this technical information is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.