Rigitone® joint filling technique with Rigitone® Mix

Using the Rigips® ReadyMix-Set

The Original. For space to live.
Aesthetic room design with optimum acoustics

Rigitone perforated boards from Rigips offer a wide range of high-quality, acoustically effective perforated boards made from the environmentally friendly raw material gypsum.

The continuous perforation and jointless installation of Rigitone perforated boards make them real eye-catchers, giving rooms a unique character while providing optimum acoustics.

Cost-effective work – two installation techniques with one set

The Rigips ReadyMix Set can be used for two proven installation techniques:


One set for two different installation techniques. It couldn’t be simpler.

✅ Quick, cost-effective work
✅ No need to mix the filler

✅ High joint strengths
✅ No cracking
✅ Perfect, jointless appearance
✅ Even consistency of the filler material in the bags

Rigips note

More information on installation using the Rigips ReadyMix Set for the Adhesive Joint Technique can be found in the “Rigitone adhesive joint technique – Using the Rigips ReadyMix-Set” brochure.
Rigitone Fix joint nozzle
Innovative, patented nozzle developed specifically for the joints of Rigitone perforated boards. Its special shape ensures that joints are slightly overfilled. They are then finished using the special Rigips scraper.

The new Rigitone Mix is available in 600 ml bags (20 bags per carton)

1 Rigips ReadyMix pistol
2 Two Rigips ReadyMix adapters
3 Rigips scraper
4 Rigips multi-purpose cleaning brush
5 Rigips nozzle cleaning brush
6 Rigips screw head template
7 Two Rigitone Fix joint nozzles for the Rigitone Mix
8 Rigitone Mix*

* Bags not included in the set
Installation notes for Rigitone ceilings

Suspended Rigitone perforated ceiling

Work outwards from the centre of the room in a star pattern when mounting subsequent boards, making sure that they are all laid in the same direction (see markings on the ends and lettering on the long edges of the boards).

Installation

• Mount and align the sub-structure comprising base and supporting profiles so that the Rigitone boards can be fastened at right angles to the supporting profiles. A supporting profile should always be located at the transverse joints of the boards.

• The Rigitone boards should be fastened into place using Rigitone 3.5 x 30 mm perforated panel screws inserted at intervals ≤ 170 mm; always fasten the transverse edges of the Rigitone boards first, then the long edges.

• Any slight unevenness in the surface under the boards can be compensated by loosening the screws slightly.

Sub-structure

• Base profiles: Rigips CD 60/27 ceiling profiles
• Supporting profiles: Rigips CD 60/27 ceiling profiles
• Hangers: Nonius hangers
• Profile connectors: Rigips crossover fast connectors

Panelling

• Rigitone Climafit 6/18 R, 8/18 R, 8-15-20 super R, 8/18 Q, 12/25 Q
• Rigitone Clima Top Activ’Air* 8/18 R, 12/25 Q
  * Other perforation patterns on inquiry

Mineral wool layer

• In the area above the suspended ceiling, depending on requirements

Board mounting

Mount the first board in the centre of the room. Use an alignment line or preferably a fixed edge guide to ensure the board is properly aligned before screwing it into place.
Installation notes for Rigitone ceilings

Using the Rigips ReadyMix Set for filled joints

1. Insert the bag containing the Rigitone Mix into the pistol and cut off the seal.

2. Screw the Rigitone Fix joint nozzle onto the adapter.

3. Screw the Rigitone Fix joint nozzle and attached adapter tightly onto the Rigips ReadyMix pistol.

Centre-to-centre distances between support profiles as per the perforation pattern

<table>
<thead>
<tr>
<th>Product</th>
<th>Centre-to-centre distances between support profiles mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rigitone 6/18 R</td>
<td>333</td>
</tr>
<tr>
<td>Rigitone 8/18 R</td>
<td>333</td>
</tr>
<tr>
<td>Rigitone 10/23 R</td>
<td>333</td>
</tr>
<tr>
<td>Rigitone 12/25 R</td>
<td>333</td>
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<tr>
<td>Rigitone 15/30 R</td>
<td>330</td>
</tr>
<tr>
<td>Rigitone 8-12/50 R</td>
<td>333</td>
</tr>
<tr>
<td>Rigitone 12-20/66 R</td>
<td>330</td>
</tr>
<tr>
<td>Rigitone 8-15-20 R</td>
<td>333</td>
</tr>
<tr>
<td>Rigitone 8-15-20 super R</td>
<td>327</td>
</tr>
<tr>
<td>Rigitone 12-20-35 R</td>
<td>333</td>
</tr>
<tr>
<td>Rigitone 8/18 Q</td>
<td>333</td>
</tr>
<tr>
<td>Rigitone 12/25 Q</td>
<td>333</td>
</tr>
</tbody>
</table>

Intervals between elements in the sub-structure

<table>
<thead>
<tr>
<th>base profile CD 60/27</th>
<th>Intervals between hangers</th>
<th>supporting profile CD 60/27</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Load class kN/m²</td>
<td></td>
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<tr>
<td></td>
<td>up to 0.15</td>
<td>up to 0.30</td>
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<table>
<thead>
<tr>
<th>y mm</th>
<th>x mm</th>
<th>x mm</th>
<th>l mm</th>
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<tbody>
<tr>
<td>500</td>
<td>1,200</td>
<td>950</td>
<td>max. 335</td>
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<tr>
<td>600</td>
<td>1,150</td>
<td>900</td>
<td>max. 335</td>
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<tr>
<td>700</td>
<td>1,100</td>
<td>850</td>
<td>max. 335</td>
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<tr>
<td>800</td>
<td>1,050</td>
<td>750</td>
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<tr>
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<tr>
<td>1,500</td>
<td>750</td>
<td>500</td>
<td>max. 335</td>
</tr>
</tbody>
</table>

Note: Board weight + sub-structure + 20 mm mineral wool layer < 15 kg/m² (0.15 kN/m²). Additional layers will increase the total surface weight of the ceiling and may result in classification in the load class up to 0.30 kN/m².

1) Hanger load capacity class 0.40 kN
**Preparation**
To prepare the edges, bevel them slightly using a hand grinder and then apply Rikombi neutral primer to all sides.

Fill the joints **generously and completely** so that the filler just starts to exude from the reverse of the board.

Slightly overfill the screw heads using the Rigips screw head template.

Once the Rigitone Mix has begun to harden, remove any excess carefully using the Rigips scraper and then pass the scraper back over the joints in the other direction to smooth the surface.

The joints and covered screw heads can be sanded after at least 24 hours. Further finishing work may be continued once the Rigitone Mix has fully dried.

**Rigips note**
For optimum results, the colourless Rikombi neutral primer should be used to prime the board edges.

Use appropriate aids to ensure the boards are properly aligned and check the alignment before screwing them into place along the perforation rows (straight and diagonal).
More comfort for everyone
Every day we spend up to 90% of our time inside rooms. That’s why we at Rigips believe that well-designed rooms make a key contribution to our well-being. So we develop forward-looking, sustainable interior solutions aimed at maximizing user comfort for all requirements and living situations.

Forward-looking construction
As a trailblazing pioneer and synonym for drywall construction in Germany, Rigips has constantly developed this method since the company was established – through many diverse innovations and high-quality system solutions. Our goal is to develop solutions today that are already oriented to the challenges of tomorrow to enable forward-looking building and room design.

Simple and safe solutions
Our developments focus on reliable, safe systems which meet the constantly rising and ever more sophisticated requirements involved in construction. With our proven systems we make an important contribution to improved planning and processing reliability, as well as greater efficiency and cost-effectiveness in drywall construction.

Sustainable living spaces for generations
Rigips stands for the manufacture of particularly eco-friendly construction materials from the natural raw material gypsum. We are highly committed to sustainable construction. For us this also means improving comfort and quality of life for people and the value of their living spaces. From generation to generation.

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