Rigitone® joint filling with VARIO® Joint filler

Using the Rigitone® Fix Joint Filling Set

The Original. For space to live.
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.

However, to achieve this, the work must be performed particularly carefully. The way the perforated boards are joined plays a very important role as only cleanly realised joints ensure a flawless appearance and long-lasting results.

That is why we have developed the **Rigitone Fix Joint Filling Set**, which enables more secure, quicker and more convenient installation.

**Tried and tested filled joint installation**
This proven technique involves installing the perforated boards with a small gap in between each one. Joint filler is then applied in the gaps. When realised correctly, the joint is extremely strong once the filler has hardened.

If the joints are not completely filled, cracks may occur in the joint area. These cracks are highly noticeable and subsequent reworking is time-consuming and cost-intensive.

**For optimum results: The Rigitone Fix Joint Filling Set**
Together with specialist craftsmen, we have refined the Joint Filling Technique and offer you the perfect tool for the job in the Rigitone Fix Joint Filling Set.

- Up to 30% time saving when filling joints in Rigitone perforated boards thanks to fewer processing steps
- Easy and convenient application thanks to an innovative and ergonomic tool
- Maximum joint strength for secure results
- Optimum joints with no visible board edges for a perfect appearance
Rigitone perforated ceilings can be securely and conveniently installed using the Rigitone Fix Joint Filling Set and VARIO joint filler.

**The set includes:**
1. Rigitone Fix pistol
2. Rigitone Fix cartridge tube
3. Two Rigitone Fix joint nozzles
4. Rigitone Fix cap
5. Rigitone Fix plunger head
6. Rigips scraper
7. Rigips screw head template
8. Rigips nozzle cleaning brush
9. Rigips multi-purpose cleaning brush

**Rigitone® Fix joint nozzle**
Innovative, patented nozzle developed specifically for joining Rigitone perforated boards. Its special shape ensures that joints are slightly overfilled. They are then finished using the special Rigips scraper.

**VARIO® joint filler**
VARIO joint filler and the Rigitone Fix Joint Filling Set are required for the Joint Filling Technique.
Container sizes:
- 5 kg bag or 25 kg sack
*No part of the set*
**Installation notes for Rigitone® ceilings**

**Suspended Rigitone® perforated ceiling**

- **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.

  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).

**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 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
### Preparation
To prepare the edges, bevel them slightly using a hand grinder and then apply Rikombi neutral primer to all sides.

### Note
For optimum results, the colourless Rikombi neutral primer should be used to prime the board edges.

### Processing instructions for Rigitone® Fix joint filling

#### Preparing the filler
Sprinkle VARIO joint filler into the appropriate amount of water by hand or direct from the bag. Allow the material to sink in (observe times for this) and then stir. We recommend increasing the water share slightly (approx. 2.8 l of water for 5 kg of VARIO joint filler). The smoother consistency this produces makes working with the Rigitone Fix pistol easier.

#### Processing tip
We recommend wetting the tools before beginning work.

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### 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>
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<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>
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</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>
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<tr>
<td>Rigitone 12-20/66 R</td>
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<tr>
<td>Rigitone 8-15-20 R</td>
<td>333</td>
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<td>Rigitone 8-15-20 super R</td>
<td>327</td>
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<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>
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</tbody>
</table>

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### Intervals between elements in the sub-structure

<table>
<thead>
<tr>
<th>base profile</th>
<th>Intervals between hangers</th>
<th>supporting profile</th>
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</thead>
<tbody>
<tr>
<td>CD 60/27</td>
<td>Load class kN/m²</td>
<td>CD 60/27</td>
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<tr>
<td></td>
<td>up to 0.15</td>
<td>up to 0.30</td>
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</tbody>
</table>

#### | y mm | x mm | x mm | l mm |
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<tbody>
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<td>950</td>
<td>max. 335</td>
<td></td>
</tr>
<tr>
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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>
<td>max. 335</td>
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<td>750</td>
<td>500</td>
<td>max. 335</td>
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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.

<sup>1</sup> Hanger load capacity class 0.40 kN
Processing instructions for Rigitone® Fix joint filling

**Using the Rigitone® Fix Joint Filling Set**

1. Insert the Rigitone Fix plunger head into the Rigitone Fix cartridge tube and press in firmly.

2. Hold the cartridge at a slight angle and quickly fill it with the prepared (slightly thinner) VARIO joint filler.

3. Place the Rigitone Fix cap on the cartridge tube to seal it.

4. Screw the Rigitone Fix joint nozzle onto the Rigitone Fix cap. Then insert the cartridge tube into the Rigitone Fix pistol.

5. Hold the Rigitone Fix pistol in a slightly elevated position and press the trigger until there is no more air in the cartridge and the VARIO joint filler runs out of the nozzle in a constant flow.

**Joint Filling**

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.

After approx. 30 minutes, carefully remove the slightly hardened excess joint filler using the Rigips scraper and then pass the scraper back over the joints in the other direction to smooth the surface.

After approx. 3 hours, the joints and covered screw heads can be sanded and prepared for further finishing work.
Rigips® – The Original. For space to live.

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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