

Installation guidelines
Rigitone®
using Rigips® VARIO® Joint Filler



Using
VARIO®
joint filler





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Aesthetic room design with optimum acoustics

Rigitone perforated boards from Rigips offer a wide range of highquality, 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-Filler 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-Filler 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-Filler Set.



Time

- ✓ 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



Safety

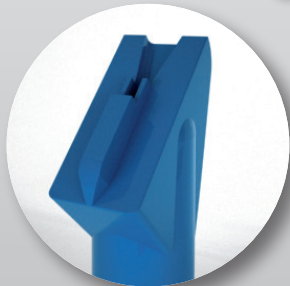
- ✓ Maximum joint strength for secure results
- ✓ Optimum joints with no visible board edges for a perfect appearance



Rigitone perforated ceilings can be securely and conveniently installed using the Rigitone Fix Joint-Filler 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 Rigits scraper
- 7 Rigits screw head template
- 8 Rigits nozzle cleaning brush
- 9 Rigits 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 Rigits scraper.



VARIO® joint filler*

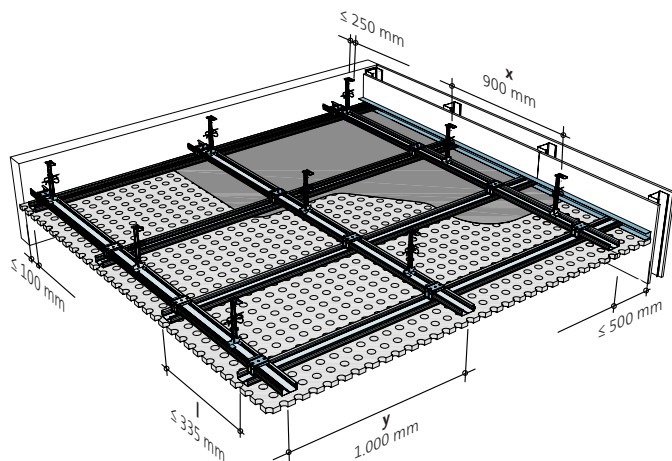
VARIO joint filler and the Rigitone Fix Joint-Filler Set are required for the Joint Filling Technique.

Container sizes:

5 kg bag or 25 kg sack

*No part of the set

Suspended Rigitone® perforated ceiling



Sub-structure

- Base profile: RigiProfil MultiTec CD 60/27
- Supporting profiles: RigiProfil MultiTec CD 60/27
- Hangers: Nonius hangers
- Profile connectors: Rigips crossover fast connectors

Panelling

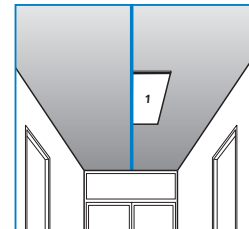
- Rigitone Activ'Air 6/18 R, 8/18 R, 10/23 R, 12/25 R, 15/30 R, 12-20/66 R, 8-15-20 R, 8-15-20 super R, 12-20-35 R, 8/18 Q, 12/25 Q
- Rigitone Climafit 6/18 R, 8/18 R, 8-15-20 super R, 8/18 Q, 12/25 Q

Mineral wool layer

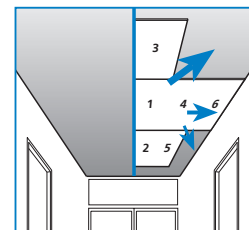
- In the area above the suspended ceiling, depending on requirements

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.



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).

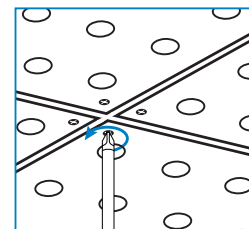


Processing tip

Note the main direction of light in the room. The transverse edges of the panels should be aligned parallel to the window front. (optimal incidence of light)

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.



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

Product	Centre-to-centre distances between support profiles, mm
Rigitone 6/18 R	333
Rigitone 8/18 R	333
Rigitone 10/23 R	333
Rigitone 12/25 R	333
Rigitone 15/30 R	330
Rigitone 12-20/66 R	330
Rigitone 8-15-20 R	333
Rigitone 8-15-20 super R	327
Rigitone 12-20-35 R	333
Rigitone 8/18 Q	333
Rigitone 12/25 Q	333

Intervals between elements in the sub-structure

base profile RigiProfil MultiTec CD 60/27	intervals between hangers Load class kN/m ² up to 0.15 up to 0.30		supporting profile RigiProfil MultiTec CD 60/27
	y mm	x mm	
500	1,200	950	max. 335
600	1,150	900	max. 335
700	1,100	850	max. 335
800	1,050	750	max. 335
900	1,000	800 ¹⁾	max. 335
1,000	900	750 ¹⁾	max. 335
1,100	900	700 ¹⁾	max. 335
1,200	900	650 ¹⁾	max. 335

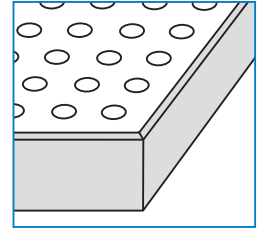
Note: Board weight + sub-structure + 20 mm mineral wool layer < 15 kg/m² (0.15 kN/m²). Additional layers will increase the total surface weight of the ceiling and may result in classification in the load class up to 0.30 kN/m².

¹⁾ Hanger load capacity class 0.40 kN

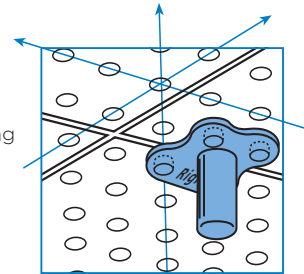
Processing instructions for Rigitone® Fix joint filling

Optimal edges

Rigitone Boards are ready to install because of its pre-sanded and primed edges at factory site. Cut edges have to be pre-sanded and primed. Rikombi Grund should be used as priming coat. The recommended mixing ratio is 1:2.



The board installation is complete and the boards have been properly aligned and the alignment checked before being screwed into place along the perforation rows (straight and diagonal).





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

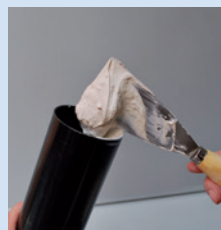
We recommend wetting the tools before beginning work.



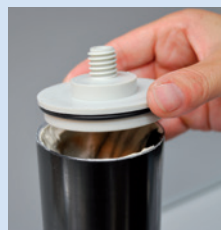
Using the Rigitone® Fix Joint-Filler set



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



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



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



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



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.

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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