

Installation guidelines
Rigitone[®]
using Rigitone[®] Mix

Easy
Quick
Efficient





1

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.

Cost-effective work with Rigips Ready-Mix set

The Rigips ReadyMix Set is available for easy processing of the Rigitone Mix (finished spatula) in a practical tubular bag.

Simple, fast, efficient



- ✓ 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® ReadyMix-Set for the Joint Filling Technique using Rigitone® Mix



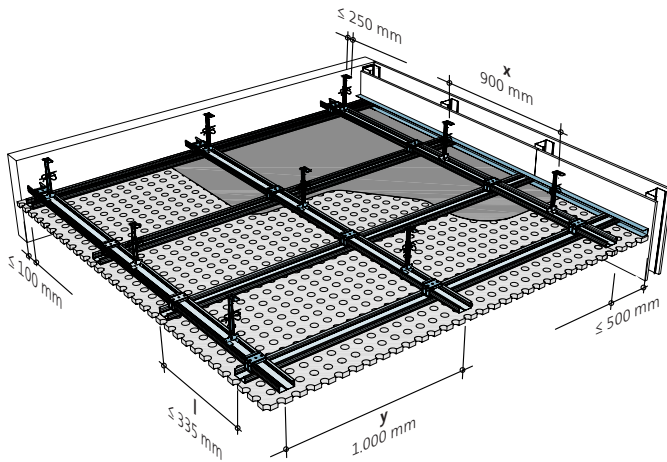
The new Rigitone Mix is available in 600 ml bags (20 bags per carton)

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.

- 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

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

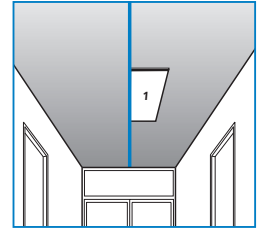
- Rigitone Activ'Air 6/18 R, 8/18 R, 10/23 R, 12/25 R, 15/30 R, 12-20/66 R, 8-15-20 R, 8-15-20 super R, 12-20-35 R, 8/18 Q, 12/25 Q
- Rigitone Climafit 6/18 R, 8/18 R, 8-15-20 super R, 8/18 Q, 12/25 Q

Mineral wool layer

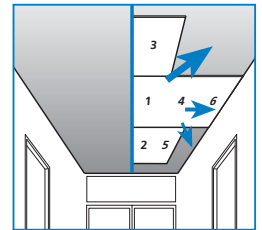
- In the area above the suspended ceiling, depending on requirements

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).

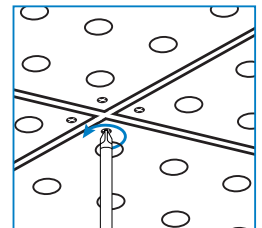


Processing tip

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



Using the Rigips® ReadyMix-Set for filled joints



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



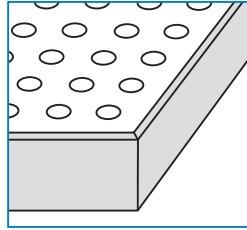
Screw the Rigitone Fix joint nozzle onto the adapter.



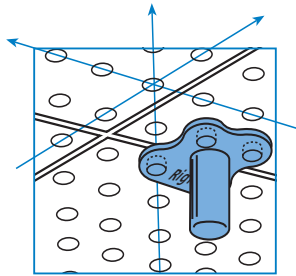
Screw the Rigitone Fix joint nozzle and attached adapter tightly onto the Rigips ReadyMix pistol.

Optimal edges

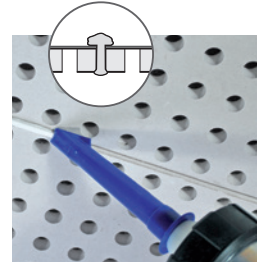
Rigitone Boards are ready to install because of its pre-sanded and primed edges at factory site. Cut edges have to be pre-sanded and primed. Rikombi Grund should be used as priming coat. The recommended mixing ratio is 1:2.



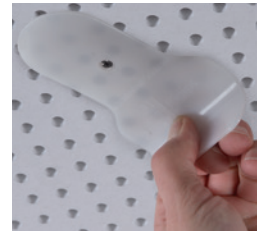
Use appropriate aids to ensure the boards are properly aligned and check the alignment before screwing them into place along the perforation rows (straight and diagonal).



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 Rigitone screw head template.

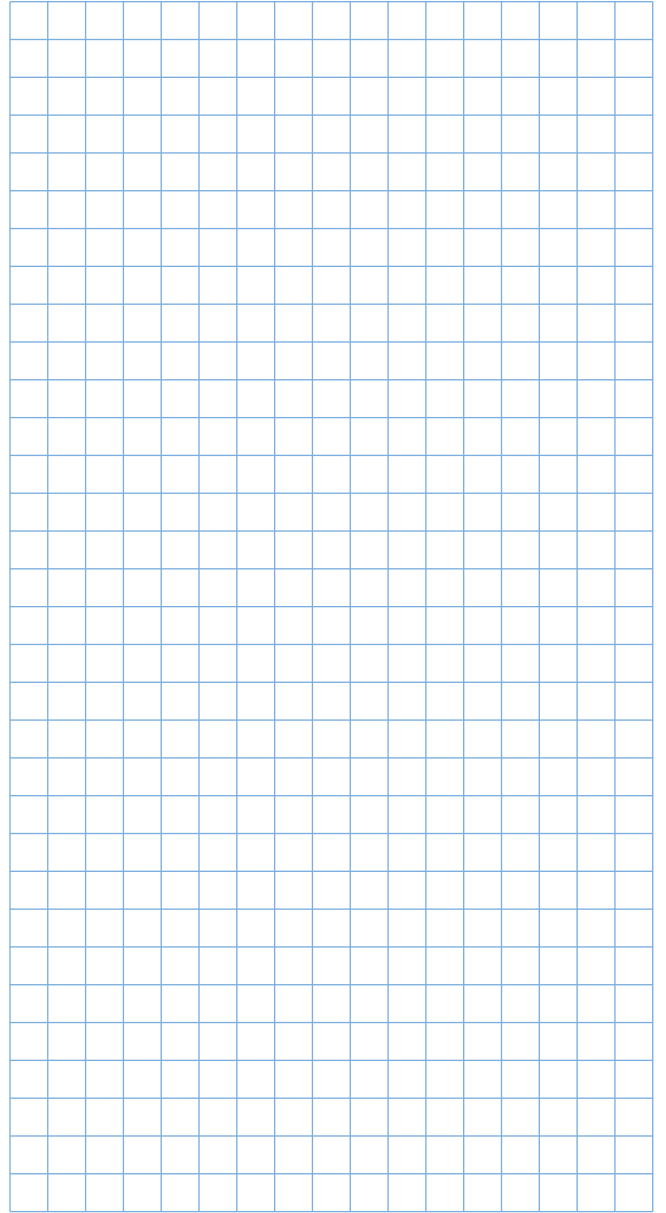
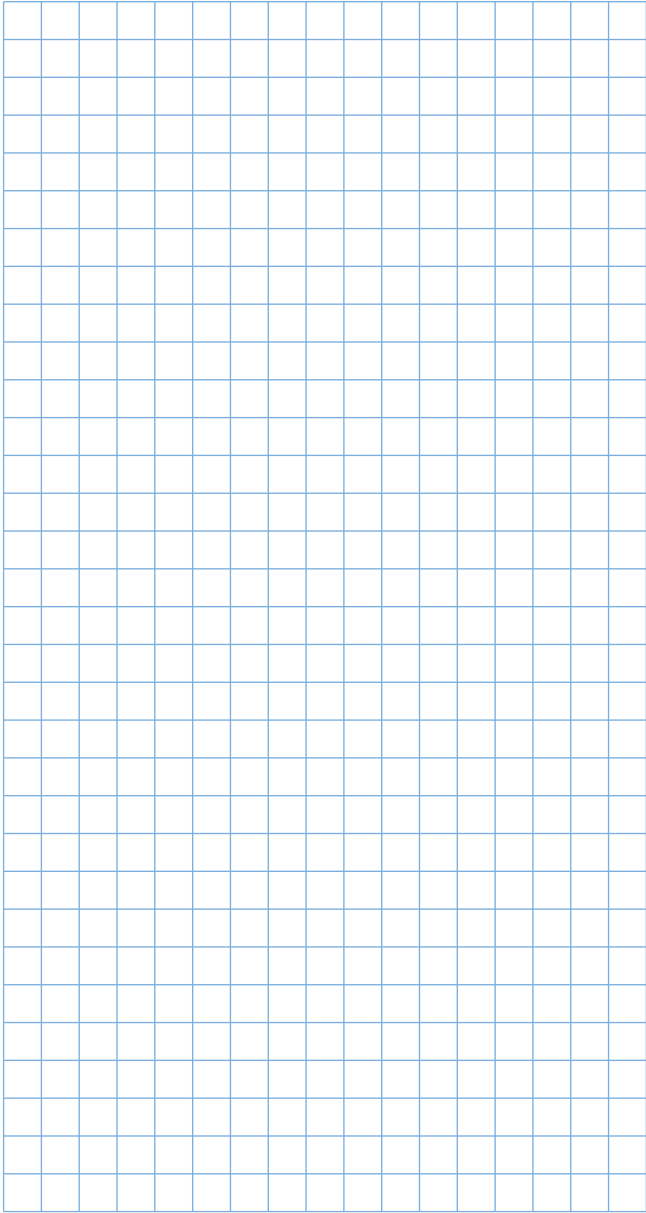


Once the Rigitone Mix has begun to harden, remove any excess carefully using the Rigitone scraper and then pass the scraper back over the joints in the other direction to smooth the surface.



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® – 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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