



Rigitone Air
New with
air cleaning
power

There are many ways to avoid bad air.

Rigitone Air: The acoustic ceiling board, now new with air cleaning power.







**You can
opt for a draught.**





**You can
cover up odours.**





You can use a filter to eliminate pollutants.



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New with
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power



Or better still: leave it to the ceiling.

From today onwards you can breathe easily.

With our new **Rigitone Air** we have improved our Rigitone acoustic ceilings and, as a standard, provide these boards with a strong air cleaning power.

New:

- Considerable reduction of harmful substances (e.g. emissions from paint, floor covering, furniture, tobacco smoke)
- Effective reduction of unpleasant odours
- Demonstrable improvement of the air quality

Tried and tested:

- Best characteristics in terms of room acoustics
- Sophisticated, various designs
- High product quality
- Long lifespan
- Reliable availability



How to achieve good air quality indoors.

There are many reasons for bad air.

We spend up to 90% of our time in indoors – and are therefore often enough in an atmosphere which is contaminated by harmful substances and unpleasant odours. Tests carried out by several institutes show that considerable concentrations of harmful substances can be found especially in offices and public buildings. There are many reasons for this alarming fact. On the one hand, most buildings today are so perfectly insulated that energy consumption is considerably reduced, however an exchange of air is almost impossible. In addition, the rooms are not aired regularly. On the other hand, many consumer goods and products still contain harmful substances.

Bad air stays where it is.

The consequences: harmful substances such as formaldehyde found in paint, floor coverings, glue or tobacco smoke are released continuously into the ambient air.

Unpleasant odours, however, caused by cooking or evaporations, do not find a natural way to the outside, thus considerably reducing the air quality. As a consequence not only is well-being and concentration affected, allergies or headaches are not rarities, either.

Good air now is good taste.

The different causes of harmful substances and unpleasant odours cannot be eliminated without considerable effort. Their effects, however, can be reduced: with **Rigitone Air**. Because the high-quality acoustic ceiling boards are now available with new air cleaning power. A perfect combination of excellent characteristics which ensures an enjoyable atmosphere with good air in e. g. hotels, canteens, offices or schools.



Less unpleasant odours, less pollutants. Better air quality.
With the new acoustic ceiling board Rigitone Air.

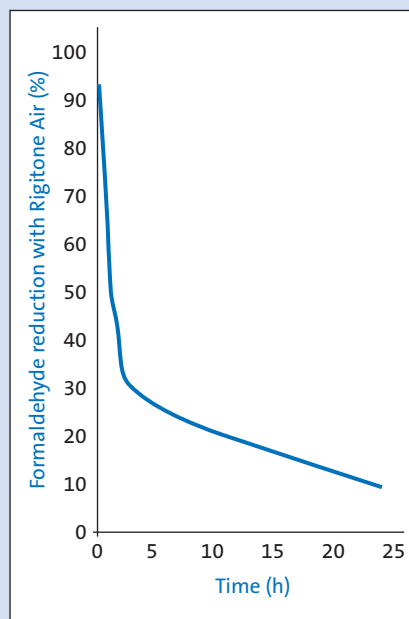
Rigitone Air. Fast absorbing power and permanent effect.

The new air cleaning power of Rigitone Air is based on an intelligent combination of active components consisting of natural minerals: the new active silicate mix ensures the efficient and lasting reduction of harmful substances in the air indoors. Durably, around the clock. Because the effect of the minerals is independent from the sunlight and virtually unlimited. Even a coat of emulsion paint has hardly any impact on the power of the board.

**Tests show:
less formaldehyde in no time at all.**

Environmental institutes have analysed the effect of Rigitone Air and proved that e.g. the concentration of formaldehyde, a toxin found in living areas, is reduced by 90% within 24 hours.

Formaldehyde reduction with Rigitone Air





Rigitone Air

Rigitone Air Perforated Boards with continuous perforation.

The Rigitone Air product line.

Rigitone is a synonym for a wide range of high-quality perforated boards with acoustic absorption characteristics made from the environmentally compatible material gypsum. Rigitone Air ceiling boards are mounted in a jointless ceiling system and thus offer a monolithic and architecturally pleasing appearance.

Specifiers can choose from a multitude of varied patterns of perforation. The product line includes Rigitone Air Perforated Boards with a regular, a regularly staggered and an irregular scattered pattern of perforation as well as a square regular pattern of perforation.

All Rigitone Air Perforated boards are gypsum boards as per EN 14190 and consist of a gypsum core whose surfaces are covered with special cardboard.

As a standard, Rigitone Air Perforated Boards are available with a laminated tissue on the rear to offer protection against trickling (in black or white) or, for an addition charge, the boards are available with an acoustic tissue to further enhance the acoustic performance.

The combination of design and acoustic functions.

The crucial factor for selecting the appropriate Rigitone Perforated Board is not only the desired architectural appearance of the ceiling which is defined by the type of the pattern of perforation, but also the acoustic performance of the ceiling.

The sound absorbing qualities of the ceiling are defined by the proportion of the perforated area and the plenum depth, the distance between structure and suspended ceiling.

The various Rigitone Air Perforated Boards featuring the available pattern of perforation and different plenum depths were tested by independent institutes. This ensures a quick and easy selection of the optimally suited Rigitone Perforated Board for every building project.

Further information

Edge profile 4sk



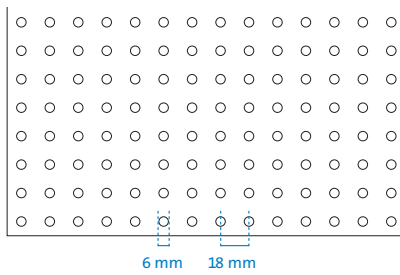
For further information such as texts for invitation for tender, assembly guidance and sound absorption measurements, please consult the current **brochure on acoustic ceilings by Rigips** – also available for download under:

www.rigips.de/downloads_informationsmaterial.asp

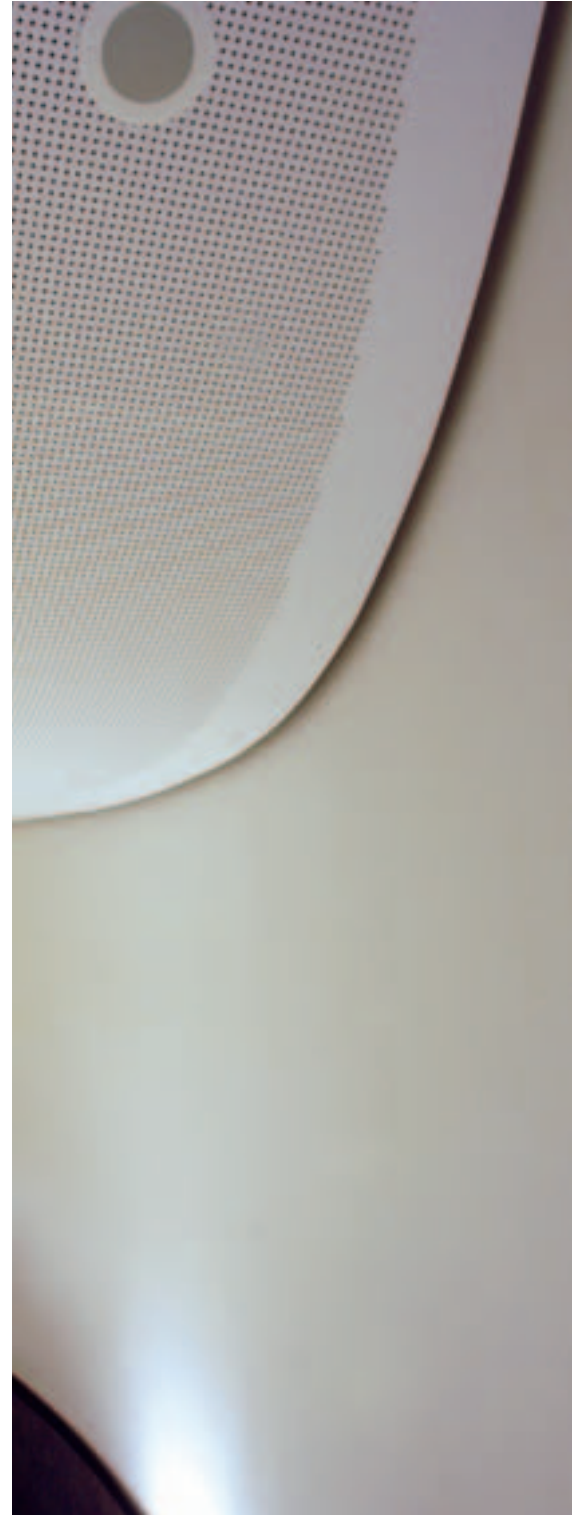
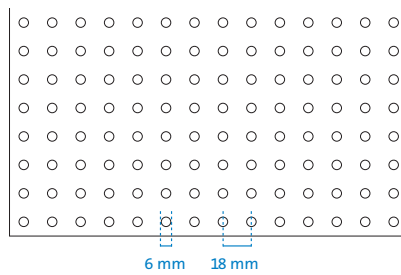
Rigitone Air: Product Data

Rigitone Air Ceiling Boards with a regular pattern of perforation

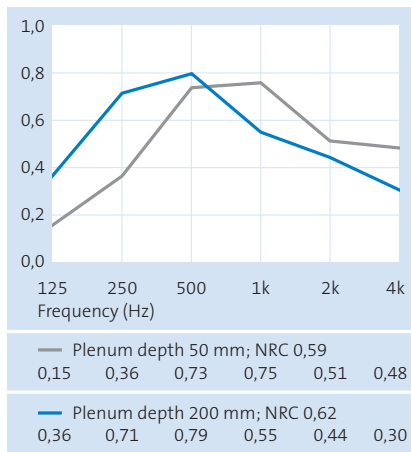
Rigitone Air 6/18	
Rigips system no. 4.07.21	
Hole diameter	6 mm
Centres between holes	18 mm
Perforated area	8,7 %
Weight	ca. 10 kg/m ²



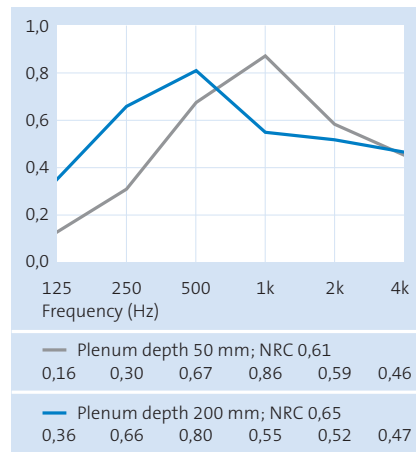
Rigitone Air 8/18	
Rigips system no. 4.07.21	
Hole diameter	8 mm
Centres between holes	18 mm
Perforated area	15,5 %
Weight	ca. 10 kg/m ²



Sound absorption coefficient α_s
with acoustic tissue



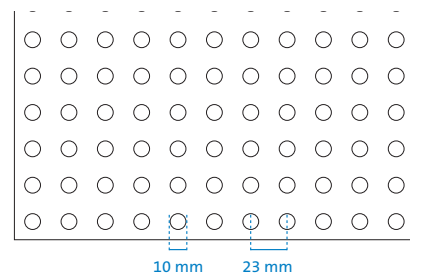
Sound absorption coefficient α_s
with acoustic tissue



Rigitone Air: Product Data

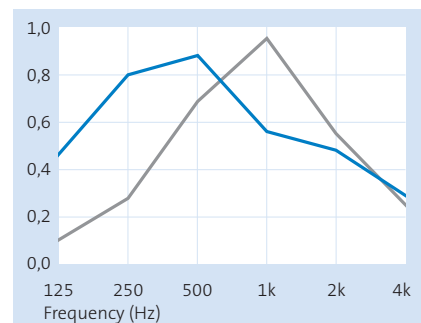


Rigitone Air 10/23	
Rigips system no. 4.07.21	
Hole diameter	10 mm
Centres between holes	23 mm
Perforated area	14,8 %
Weight	ca. 10 kg/m ²



Sound absorption coefficient α_s

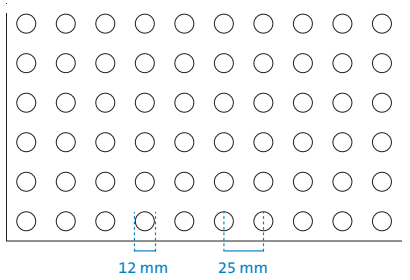
with acoustic tissue



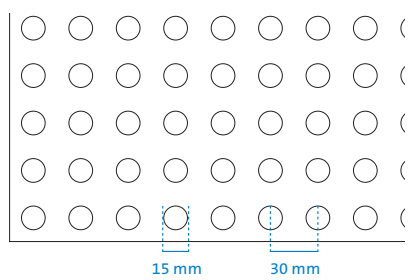
— Plenum depth 50 mm; NRC 0,62
0,10 0,28 0,69 0,94 0,55 0,26

— Plenum depth 200 mm; NRC 0,68
0,46 0,80 0,88 0,56 0,48 0,29

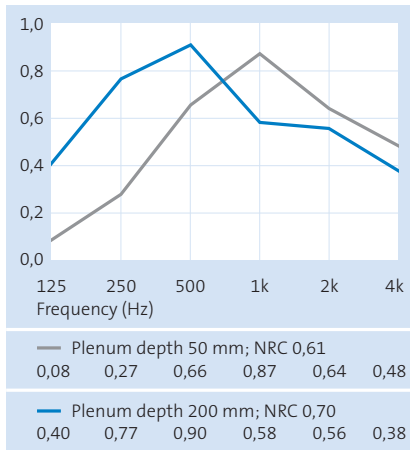
Rigitone Air 12/25	
Rigips system no. 4.07.21	
Hole diameter	12 mm
Centres between holes	25 mm
Perforated area	18,1 %
Weight	ca. 9,5 kg/m ²



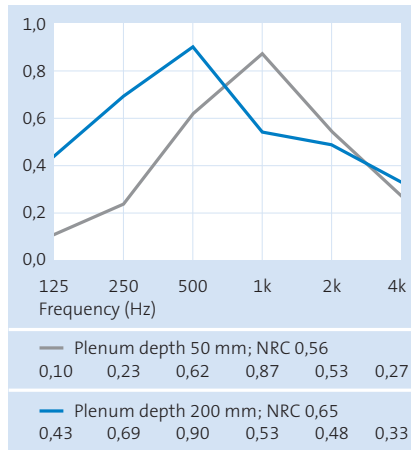
Rigitone Air 15/30	
Rigips system no. 4.07.21	
Hole diameter	15 mm
Centres between holes	30 mm
Perforated area	19,6 %
Weight	ca. 9,6 kg/m ²



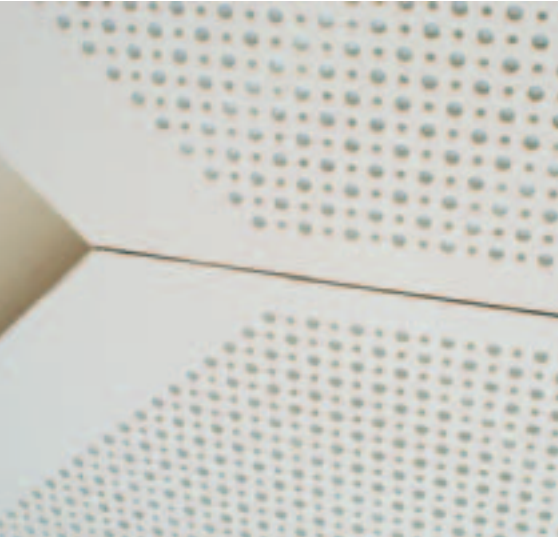
Sound absorption coefficient α_s
with acoustic tissue



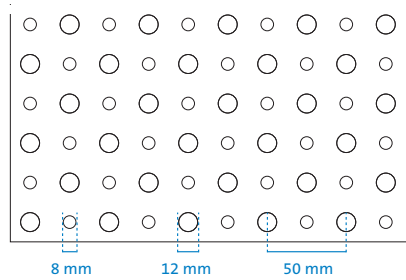
Sound absorption coefficient α_s
with acoustic tissue



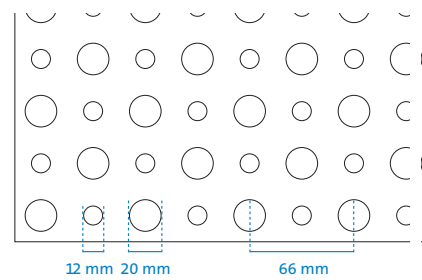
Rigitone Air Ceiling Boards with a regularly staggered pattern of perforation



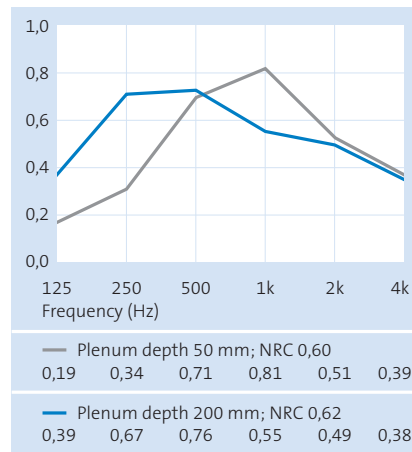
Rigitone Air 8-12/50	
Rigips system no. 4.07.21	
Hole diameter	8 und 12 mm
Centres between holes	50 mm
Perforated area	13,1%
Weight	ca. 10 kg/m ²



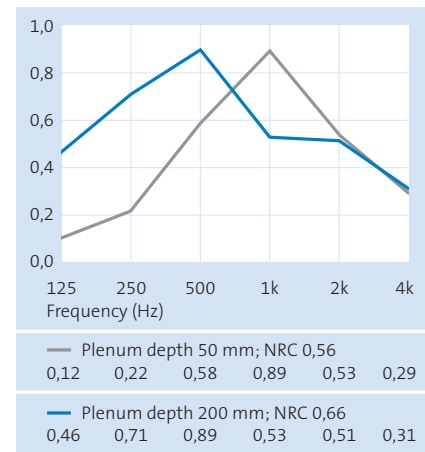
Rigitone Air 12-20/66	
Rigips system no. 4.07.21	
Hole diameter	12 und 20 mm
Centres between holes	66 mm
Perforated area	19,6%
Weight	ca. 9,5 kg/m ²



Sound absorption coefficient α_s
with acoustic tissue



Sound absorption coefficient α_s
with acoustic tissue

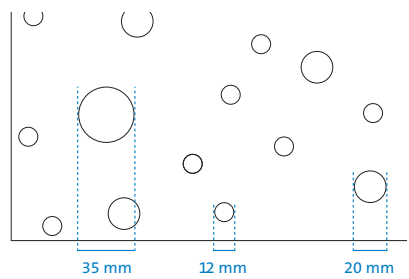
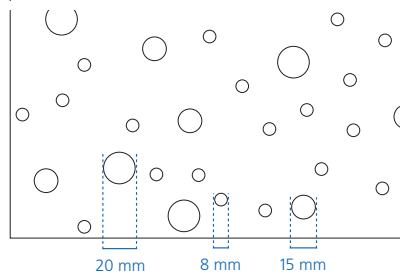
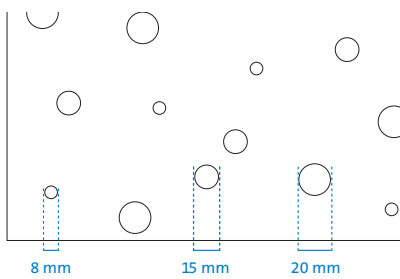


Rigitone Air Ceiling Boards with an irregular scattered pattern of perforation

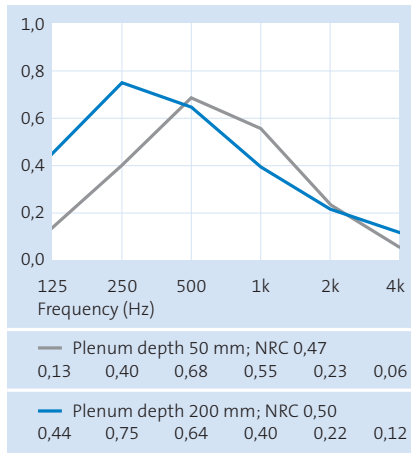
Rigitone Air 8-15-20	
Rigips system no. 4.07.21	
Hole diameter	8, 15 und 20 mm
Perforated area	6 %
Weight	ca. 10 kg/m ²

Rigitone Air 8-15-20 super	
Rigips system no. 4.07.21	
Hole diameter	8, 15 und 20 mm
Perforated area	10 %
Weight	ca. 10 kg/m ²

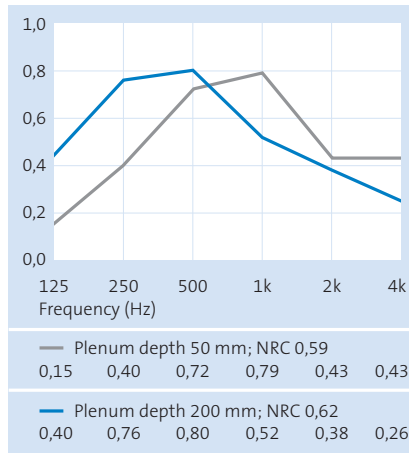
Rigitone Air 12-20-35	
Rigips system no. 4.07.21	
Hole diameter	12, 20 und 35 mm
Perforated area	11 %
Weight	ca. 10 kg/m ²



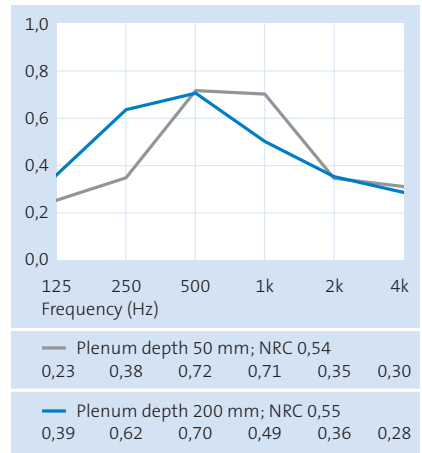
Sound absorption coefficient α_s
with acoustic tissue



Sound absorption coefficient α_s
with acoustic tissue



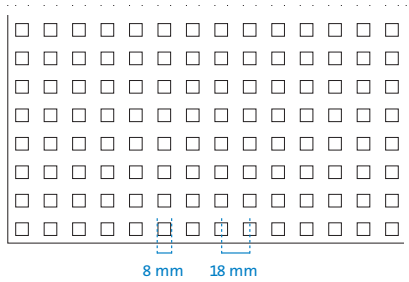
Sound absorption coefficient α_s
with acoustic tissue



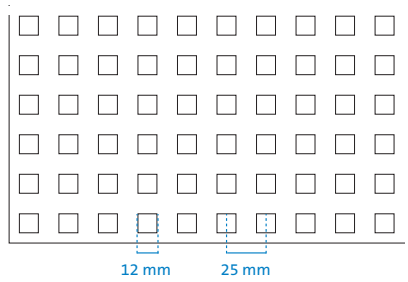
Rigitone Air Ceiling Boards with a square regular pattern of perforation



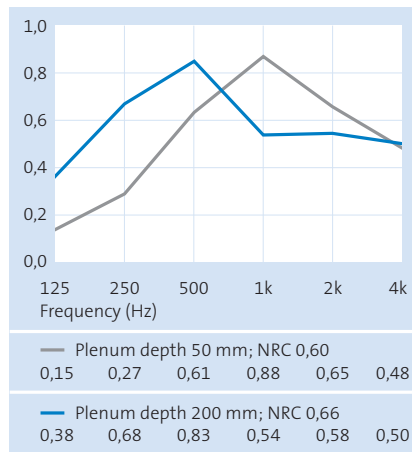
Rigitone Air 8/18 Q	
Rigips system no. 4.07.25	
Hole diameter	8 x 8 mm
Centres between holes	18 mm
Perforated area	19,8 %
Weight	ca. 9,5 kg/m ²



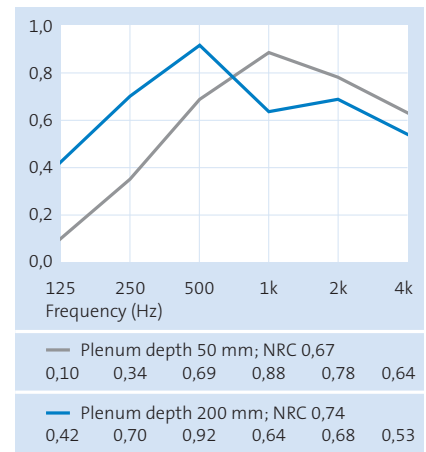
Rigitone Air 12/25 Q	
Rigips system no. 4.07.25	
Hole diameter	12 x 12 mm
Centres between holes	25 mm
Perforated area	23 %
Weight	ca. 7,5 kg/m ²



Sound absorption coefficient α_s
with acoustic tissue

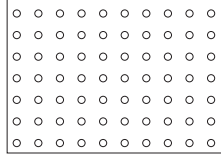
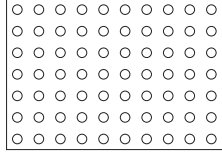
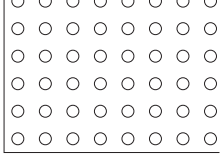
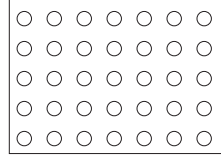
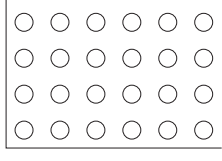
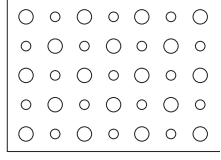
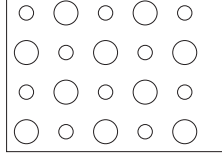
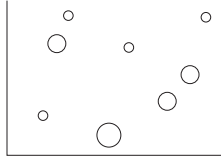
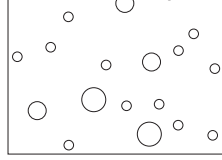
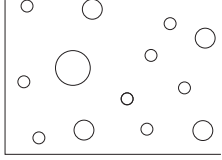
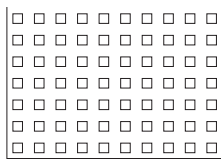
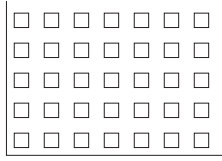

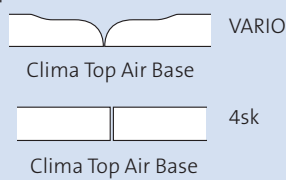


Sound absorption coefficient α_s
with acoustic tissue



Rigitone Clima Top Air: Product Data

Product range Rigitone Clima Top Air

<p>Rigitone Clima Top Air 6/18</p> 	<p>Rigitone Clima Top Air 8/18</p> 	<p>Rigitone Clima Top Air 10/23</p> 
<p>Rigitone Clima Top Air 12/25</p> 	<p>Rigitone Clima Top Air 15/30</p> 	
<p>Rigitone Clima Top Air 8-12/50</p> 	<p>Rigitone Clima Top Air 12-20/66</p> 	
<p>Rigitone Clima Top Air 8-15-20</p> 	<p>Rigitone Clima Top Air 8-15-20 super</p> 	<p>Rigitone Clima Top Air 12-20/35</p> 
<p>Rigitone Clima Top Air 8/18 Q</p> 	<p>Rigitone Clima Top Air 12/25 Q</p> 	
<p>Rigitone Clima Top Air Base</p> 	<p>Further Information</p> <p>Edge profile</p>  <p>VARIO Clima Top Air Base</p> <p>4sk Clima Top Air Base</p>	

* suitable for Rigips/Scherff acoustic plaster coating

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D/05.08/20.0/CA/Ma/Rev.0