

Rigitone Air Lochplatte (perforated plasterboard)



Rigitone is a synonym for a wide range of high-quality perforated boards with acoustic absorption characteristics made from the environmentally compatible material gypsum. Thanks to the new air cleaning power, Rigitone Air helps improve indoor air quality. Rigitone Air ceiling boards are mounted in a jointless ceiling system and thus offer a monolithic and architecturally pleasing appearance.



Rigitone Air boards are available with an acoustic tissue in black or white.

Available patterns of perforation:

6/18; 8/18; 10/23; 12/25; 15/30; 8-12/50; 12-20/66; 8/18 Q, 12/25 Q; 8-15-20; 8-15-20 super; 12-20-35

Application:

Rigitone Air is applied wherever a jointless ceiling design and the improvement of room acoustic properties are required.

Installation:

As per Rigips installation guidelines and as per DIN 18168 and 18181.

Technical Data

Proof	as per EN 14190	Plasterboards from reprocessing
Classification	as per EN 13501-1	A2-s1,d0 (C.4) non-combustible as per Building Regulations List A Part 1, Annex 0.2.2

Edge profiles	Sharp-edged on four sides.	designed for filling of joints with Rigips VARIO joint filler, or for gluing with jointing compound 63	
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The information in this publication is based on our current technical knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve the users of our products from the responsibility of carrying out their own inspections and tests, as they only represent general guidelines. They neither do imply any legally binding assurance of certain properties or of suitability for a particular application. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and regulations are observed. We reserve the right to modifications in the interests of technical advancement without prior notice.

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Plasterboard marking	Edge marking	Laying technique: with filling or gluing joint, order no. , dimension, manufacturing date One board side is marked with a chalk line and thereby indicates the laying direction.
	Pallet label	The marking on the pallet label contains: <ul style="list-style-type: none"> • Laying technique: with filling or gluing joint • order no. • dimension • manufacturing date • CE-marking • A2-s1,d0 (C.4)

Dimensions	Nominal thickness		12,5	[mm]
	Width		ca. 1.200 (depends upon perforation)	[mm]
	Length		ca. 2.000 (depends upon perforation)	[mm]
	Dimensional tolerances		Thickness ±0,5 Width ±1 Length +1/-1,5 Squareness <1 (dimensional deviation from diagonal)	[mm]

Weight	Apparent density		ca. 600 - 800 (depends upon perforation)	[kg/m ³]
	Weight per unit area m ²		ca. 8 - 10 (depends upon perforation)	[kg/m ²]

Strength	Surface hardness	as per Brinell	ca. 10 - 18	[N/mm ²]
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Heat	Specific heat capacity c	at 20 °C	0,96	[kJ/(kg*K)]
	Thermal expansion coefficient	at 60% RH.	ca. 0,013 - 0,020	[mm/(m*K)]

Humidity	Moisture absorption / equilibrium moisture content (depending on room climate)	at 20°C	40% RH: 0,3 - 0,6 60% RH: 0,6 - 1,0 80% RH: 1,0 - 2,0	[% by weight]
	Hygroexpansivity for a 30% change in RH	at 20°C	0,015	[%]

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Other	Crystalline bonded water inside gypsum core	ca. 16 - 20	[%]
	Thermal threshold stress (long-term load)	max. 50	[°C]
	Alkalinity (pH value)	6 - 9	[—]

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