

Rigitone Activ'Air 12,5



variety of jointless patterns in modern design



standard with acoustic tissue for best acoustic performance



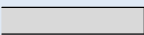

with Activ'Air premium air-cleaning power



for fast and economic installation in a system with Fix Joint filling

Characteristics	Rigitone Activ'Air perforated boards consist of a special gypsum board, which is perforated in the further processing. It has a black or white acoustic tissue on the back as a standard.
Application	By creating good acoustic properties, the modern joint less design and the air cleaning power it especially suitable for areas with high numbers of people congregate, such as Schools or offices.
Installation	Rigitone Activ'Air boards have to be installed according to the Rigips Installation Guidelines.

Technical data

Type	Plasterboards from reprocessing	as per DIN EN 14190		
	non-combustible European Classification: A2-s1, d0	as per DIN EN 14190		
Edge profile	Longitudinal edges		SK	
	designed for filling of joints with Rigips VARIO joint filler or Rigitone Mix			
Dimensions	Transverse edges		SK	
	Nominal thickness	12.5	[mm]	
Dimensions	Width x Length	For possible dimensions please consult our delivery programme. Special lengths (intermediate sizes, overlength) and sheet cutting possible - delivery time on request.		
	Dimensional tolerances	Thickness	±0.3	[mm]
Width		±1.0	[mm]	
Length		+1.0/-1.5	[mm]	
Squareness: deviation per m width		< 1	[mm/m]	





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	On rear side	no marking			
	Edge marking	Rigitone Activ'Air ORIGINAL RIGIPS SPACHTELFUGE* (exception for: 8-15-20 Super R, 12-20-35 R ORIGINAL RIGIPS) One board side is marked with a chalk line. The chalk line indicates the installation direction.			
	Pallet label	The marking on the pallet label contains: - Rigitone - dimension - manufacturing date - CE-marking - order No. / EAN-Code			
Hole patterns	Square perforation	8/18 Q; 12/25 Q			
	Round perforation	6/18 R; 8/18 R; 10/23 R; 12/25 R; 15/30 R			
	Offset round perforation	8-12/50 R; 12-20/66 R			
	Scattered perforation	8-15-20 R; 8-15-20 super R; 12-20-35 R			
Weight	Weight per unit area	ca. 8-10	[kg/m ²]	depends on the pattern	as per DIN 18180
	Density	ca. 600-800	[kg/m ³]	depends on the pattern	as per DIN EN 18180
Heat	Thermal conductivity κ_R	0.25	[W/(m x K)]		as per DIN EN 14190
	Thermal expansion coefficient at 60% RH	0.013-0.020	[mm/(m x K)]		
	Thermal threshold stress (long-term load)	max. 50	[°C]	short-term load 60°C	
Humidity	Dilatation due to changing of relative humidity by 30% (20°C)	0.015	[%]		
	Strength of shape	max. 80% rel. humidity	[%]	unperforated	
		max. 70% rel. humidity	[%]	perforated	
Acoustic	Acoustic properties	according to ISO 345			
	Acoustic tissue (lightgrey)	ca. 50	[g/m ²]	paperbased	
	Percent of perforation	8-23	[%]	depends to the pattern	
Air		Absorption (CH ₂ O)		Ratio surface / volume	application
	Long-term reduction of formaldehyde concentration	60	[%]	0.4 [m ² /m ³]	ceiling
		70	[%]	1.0 [m ² /m ³]	wall
80		[%]	1.2 [m ² /m ³]	ceiling and wall	
					according to ISO 16000-23

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Perforation	dry		wet		
	concave	convex	concave	convex	
Bending radii					
Round perforation	3,000	3,000	2,000	2,500	[mm]
Offset round perforation	3,000	3,000	2,000	2,500	[mm]
Square perforation	3,000	3,000	2,000	2,000	[mm]
Scattered perforation	3,500	3,500	3,000	3,000	[mm]
Load	Max. load for perforated boards	3	[kg/m ²]		
Sign	The values given in this product data sheet solely describe the performance characteristics of the products, Rigips-Systems also have far-reaching structural-physical and static properties, which can be found in our system documentation (e.g. Planen und Bauen),				

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