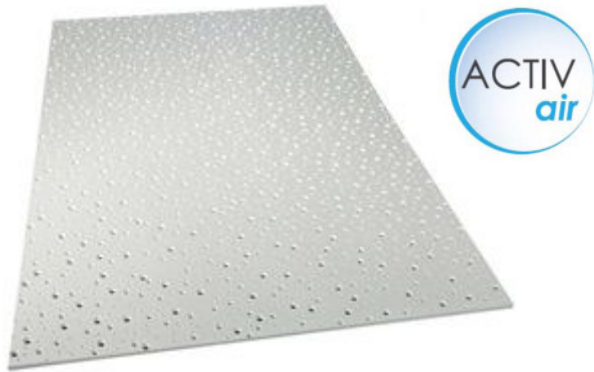


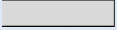

Product data sheet

Rigitone Activ'Air 12,5



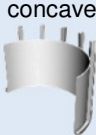

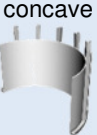

Rigitone Activ'Air boards consist of a perforated gypsum board with a black or white acoustic tissue on the back. The boards acoustical properties in combination with the modern joint less design and the Activ'Air technology makes it suitable for crowded areas like f.e. schools or offices. Rigitone Activ'Air boards have to be installed according to the Rigips installation guidelines. With the pre-sanded and primed edges Rigitone boards are ready to install. There is no preparation work of the edges needed at the jobsite.

Technical data

Type	Perforated gypsum board		as per DIN EN 14190
	non-combustible European Classification: A2-s1, d0		as per DIN EN 14190
Edge	Longitudinal edges	 SK	SK designed for filling of joints with Rigips VARIO joint filler or Rigitone Mix
	Transverse edges	 SK	SK
Dimensions	Nominal thickness	12.5	[mm]
	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]

Product data sheet

Rigitone Activ'Air 12,5				
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 λ_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	according to ISO 16000-23	
	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	
Bending radii	dry		wet				
	concave	convex	concave	convex			
							
	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),						

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.