

Rigips Clima Top Activ'Air 10



- high thermal conductivity
- Improvement of cooling performance up to 15%



- with Activ'Air premium air-cleaning power



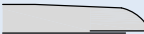
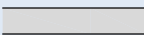
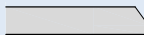
- approved safety with a lot of system supplier



- fire resistant board Typ DF according to EN 520

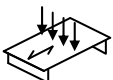
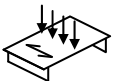
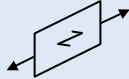
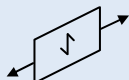
Characteristics	Rigips Clima Top Activ'Air boards consist of a gypsum core which is covered with carton. The special feature of the Rigips Clima Top is the increased thermal conductivity.
Application	Rigips Clima Top Activ'Air boards are used for economic planking of air conditioning systems.
Installation	Rigips Clima Top Activ'Air boards have to install according to the Rigips installation leaflet and DIN 18181.

Technical data

Type	Gypsum plasterboard type DF				as per DIN EN 520
	non-combustible European Classification: A2-s1, d0 (B)				as per DIN EN 14190
Edge profile	Longitudinal edges		Vario		
	Designed for filling of joints with Rigips VARIO joint filler, either with or without reinforcing strips.				
Dimensions	Transverse edges		SK		SKF
	Nominal thickness	10	[mm]		
Dimensions	Width x Lengths	For possible dimensions please consult our delivery programme. Special lengths (intermediate sizes, overlength) and sheet cutting possible - delivery time on request.			
	Dimensional tolerances	Thickness	±0.5	[mm]	as per DIN EN 520
		Width	0/-4	[mm]	
Length	0/-5	[mm]			
Squareness: deviation per m width	< 2.5	[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			
	Pallet label	The marking on the pallet label contains: - Rigips Clima Top Activ Air Base 10 - dimension - manufacturing date - CE-marking - order No. / EAN-Code			
Weight	Weight per unit area	≥10	[kg/m ²]	depends on the type and thickness of the board as per DIN 18180	
	Density	1,000	[kg/m ³]	as per DIN 18180	
Strengths	Breaking load	⊥ perpendicular to direction of manufacture in longitudinal direction of the board			as per DIN EN 520 & as per DIN 18180
		≥ 430	⊥ [N]		
	≥ 168	∥ [N]			
	∥ parallel to direction of manufacture in transverse direction of the board				as per DIN EN 520 & as per DIN 18180
	Bending tensile strength	≥ 7.2	⊥ [N/mm ²]		
		≥ 2.2	∥ [N/mm ²]		
	Compressive strength vertical to the surface	5-10	[N/mm ²]		
Tensile strength	1.8-2.5	[N/mm ²]			
	in longitudinal direction				
	1.0-1.2	[N/mm ²]			
	in longitudinal direction				
Shear strength	3.0-4.5	[N/mm ²]		vertical to surface	
	2.5-4.0	[N/mm ²]		parallel to surface	
Shear strength	NPD	[N]		Strength of the connection (board – subconstruction)	as per DIN EN 520
Heat	Thermal conductivity λ _R	0.25	[W/(m x K)]		as per DIN EN 520
	Thermal threshold stress (long-term load)	max. 50	[°C]	short-term load 60°C	

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Humidity	Vapour diffusion resistance factor μ	dry	10	[-]			
		wet	4	[-]			
	Diffusion equivalent air layer thickness s_d	dry	0.10	[m]			
		wet	0.04	[m]			as per DIN 4108
	Dilatation due to changing of relative humidity by 30% (20°C)	0.015		[%]			
	Strength of shape	max. 80% rel. humidity			[%]		
Air	Long-term reduction of formaldehyde concentration	Absorption (CH ₂ O)		Ratio surface / volume		application	according to ISO 16000-23
		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	
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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