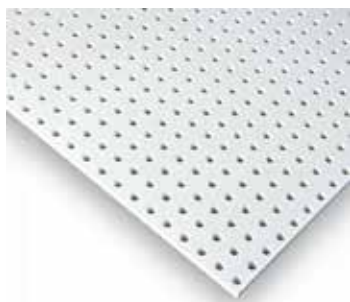


Product data sheet

Rigitone Activ'Air 10/23 R - regular round perforation



Product description: Perforated plasterboard according to DIN EN 14190 with Activ'Air premium air cleaning effect and acoustic tissue laminated on backside. With the pre-sanded and primed edges Rigitone boards are ready to install.

Area of application: For high-quality wall and ceiling surfaces with special acoustic properties.

Technical specifications

Parameters	Sign	Value	Unit	Certification
Material				
Type of material		gypsum plasterboard		
Typesetting				
Type		Plasterboards from reprocessing		EN 520
Building material class				
Fire behaviour		A2-s1, d0		EN 13501-1
Edges				
Longitudinal edge		SKF		
Transverse edge		SKF		
Dimensions				
Thickness	t	12.5	mm	EN 520
Width	w	1196	mm	EN 520
Length	l	2001	mm	EN 520
Tolerances				
Thickness		±0.3	mm	EN 520
Width		±1.0	mm	EN 520
Length		+1.0/-1.5	mm	EN 520
Perpendicularity: deviation per meter of width		≤ 1.0	mm/m	EN 520

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Parameters	Sign	Value	Unit	Certification
Heat				
Thermal conductivity	λ_{Board}	0.25	W/(m·K)	EN ISO 10456
Coefficient of thermal expansion at 60% relative humidity approx.		0.013-0.020	mm/(m·K)	Gypsum data book
Limit load by heat (long-term exposure)		max. 50 (short-term up to 60)	°C	Gypsum data book

Humidity

Dimensional stability (perforated boards)		up to max. 70% rel. humidity	%	
Dimensional stability (unperforated boards)		up to max. 80% rel. humidity	%	
Moisture expansion when the RH changes by 30% (20°C)		0.015	%	EN 318

Acoustics

Perforation		Regular round		
Perforated panel type		10/23 R		
Perforated area percentage		14.8	%	
Joint technology		filler		
Acoustic tissue Colour		black / white		
Acoustic tissue Weight		50	g/m ²	

Bending radii

dry / concave	≥	3000	mm	
dry / convex	≥	3000	mm	
wetted / concave	≥	2000	mm	
wetted / convex	≥	2500	mm	

Loads

Ceiling Load	≤	3	kg/m ²	
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Activ'Air - Long-term reduction of formaldehyde concentration

Absorption with Ceilings Ratio 0.4 m ² /m ³	CH ₂ O	60	%	ISO 16000-23
Absorption with Walls Ratio 1.0 m ² /m ³	CH ₂ O	70	%	ISO 16000-23
Absorption with Ceilings and Walls Ratio 1.2 m ² /m ³	CH ₂ O	80	%	ISO 16000-23

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Product data sheet

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Parameters	Sign	Value	Unit	Certification
Notes				
Storage		Dry Flat and level Shady Air access		
Shelf Life		Unlimited		
Form of delivery		According to Pricelist		
Waste key number		17 08 02		

Height	Wool	practical sound absorption coefficient α_p						α_w	Claas	SAA	NRC
[mm]	[mm]	125 Hz	250 Hz	500 Hz	1.000 Hz	2.000 Hz	4.000 Hz				
30	30	0.25	0.55	0.70	0.75	0.70	0.70	0.75	C	0.70	0.70
50	50	0.40	0.70	0.75	0.70	0.65	0.70	0.70	C	0.70	0.70
200	50	0.60	0.75	0.70	0.70	0.70	0.75	0.70 (L)	C	0.70	0.70
200		0.35	0.70	0.85	0.60	0.50	0.35	0.50 (LM)	D	0.65	0.65
400	50	0.60	0.60	0.65	0.75	0.75	0.75	0.75	C	0.70	0.70

The values listed in this product data sheet only reflect the performance characteristics of the products. In addition, gypsum plaster systems have structural and structural properties, which can be found in our system documentation (e. g. Planen und Bauen).

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