

# Technical Data Sheet

LAHNAU

AKUSTIK GMBH

Product name: Mikropor G A2  
Product type: Acoustic board

## Description:

- Acoustic board made of expanded glass granulate.
- Consists of approx. 80 % recycled glass
- Mineral bonded.
- For ceilings and walls.
- Acoustically effective, absorber class C.
- Non-flammable A2.
- Low odor accord. to DIN ISO 16000-28.
- Directionless paint structure on surface (>90 % light reflection).
- Manufactured in Germany.



## Technical data

Density:	approx. 300 – 460 kg · m <sup>-3</sup>	
Thickness:	18 – 40 mm	
Area weight:	7,5 – 8,5 kg · m <sup>-2</sup> (in case of 18 mm thick boards)	
Building material class:	A2-s1, d0	DIN EN 13823:2020
Bend strength:	3,0 – 4,5 N · mm <sup>-2</sup>	DIN EN ISO 178
Sound absorption coef. $\alpha_w$ :	0,70	DIN EN ISO 11654
Thermal conductivity $\lambda$ -value:	approx. 0,095 W · m <sup>-1</sup> · K <sup>-1</sup>	DIN EN 52 612
Standard lengths:	2500 mm, 1875 mm, 1250 mm, 625 mm	
Standard widths:	1250 mm, 625 mm, 415 mm	
Colour:	White, other colours on demand	



[www.blauer-engel.de/uz132](http://www.blauer-engel.de/uz132)

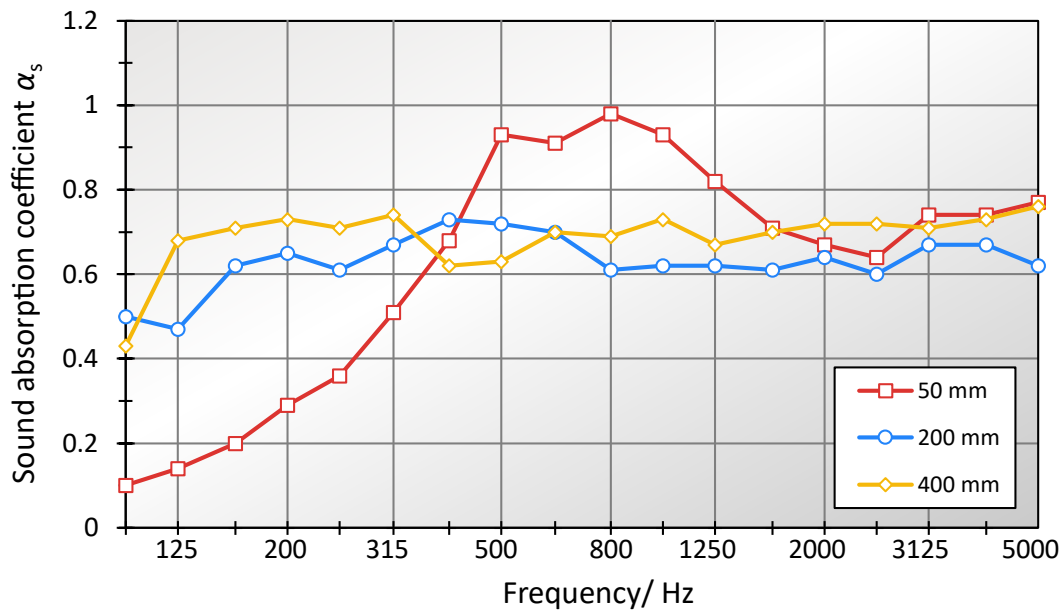
- emissions- und geruchsarm
- geringer Schadstoffgehalt
- in Innenräumen gesundheitlich unbedenklich

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## Mikropor G: Sound absorption behaviour with different cavity depths



Evaluation according to DIN ISO 11654

	Octave band frequency $f$ / Hz						$\alpha_w$	Class
	125	250	500	1000	2000	4000		
<b>Practical sound absorption coefficient <math>\alpha_p</math></b>								
50 mm	0,15	0,40	0,85	0,90	0,65	0,75	0,65 (M)	C
200 mm	0,55	0,65	0,70	0,60	0,60	0,65	0,65	C
400 mm	0,60	0,75	0,65	0,70	0,70	0,75	0,70 (L)	C

- Can be processed with regular woodworking tools.
- High humidities (>70 % r.h.) effect the shape stability of the boards.
- Boards are not resistant to lasting water exposure, only interior applications are recommended.
- Free taking back and recycling of boards after dismantling.