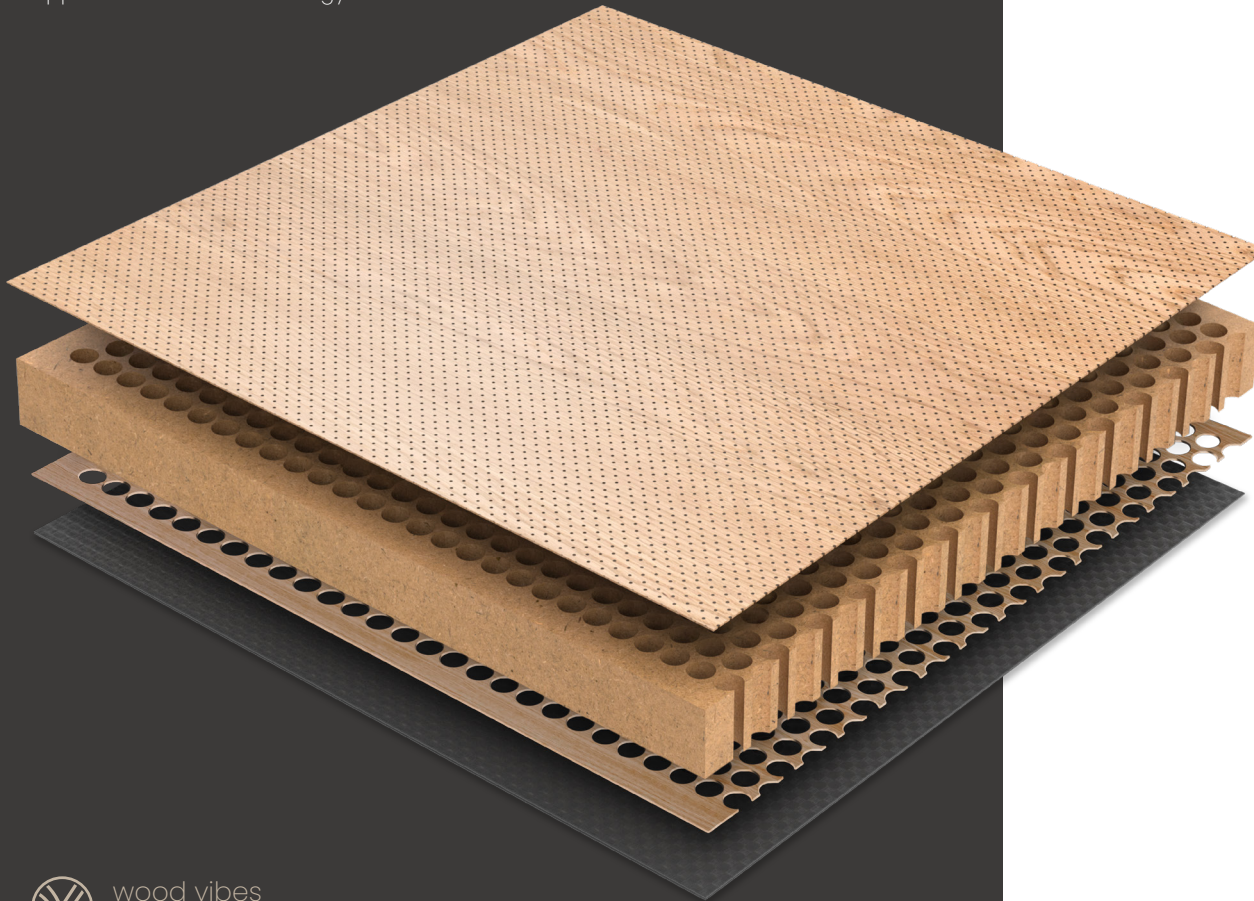


INOIS® MICRO

Acoustic board

The special micro-perforation of the INOIS® MICRO preserves the appearance of the noblewood and thus combines appearance and technology to the maximum.



sound-absorbing



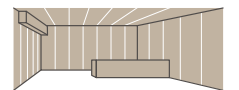
digital printing possible



flame-resistant core board possible



formaldehyd-free



Especially suitable for
ceilings; walls; furniture; shop fitting and exhibition stands

INOIS® MICRO Acoustic board

	Recommended configuration	Individualisation
CORE BOARD		
Core board:	MDF NAF	MDF MR/ FR/ NAF
Core board thickness:	19 mm	see core board table
Grid hole:	diagonally offset grid hole 8/ 8/ 7 mm	
FORMATS		
Formats:	2420 x 1200 mm including unperforated edge of the core board panel of at least 30 mm	see core board table, Customised format and fixed dimensions possible (recommended)
VENEER GLUING		
Veneer gluing:	D3 (NAF) according to EN 204. Test certification for E1	D4 according to EN 204
VISIBLE SIDE		
Veneer:	European oak	140 wood species see www.eurolac.com/customisation
Quality:	A-First Quality	A-Pattern matching 5*, A, B, C: see www.eurolac.com/customisation
Grading:	Half-crown cut	2 further grading types: see www.eurolac.com/customisation
Bonding method:	Random matched SMOOTH	6 further bonding methods see www.eurolac.com/customisation
Veneer thickness:	approx. 0,6 mm	hardwoods approx. 0,6 mm, softwoods approx. 0,9 mm
Surface processing:	Rough-ground (grain 120)	further surface processings: see www.eurolac.com/customisation
Grid hole:	Microperforated 2,5/ 2,5/ 0,5 mm diagonally offset	Microperforated 3,5/ 1/ 0,5 mm diagonally offset
REVERSE SIDE		
Reverse side:	blind + acoustic fleece black	Hotmelt fleece black
Grid hole:	Perforation: 8/ 8/ 7 mm	

CERTIFICATES

FSC® / PEFC / E1 / E0.5: Certificate depending on the product version

ADDITIONAL INFORMATION

Center webs from 1000 mm length and 600 mm width every approx. 400-500 mm.

Sound reduction in accordance with EN 11654 class B.

Flame retardant possible: in accordance with EN 13501-1

before veneering, no testing in the combination. Core boards lose their approval due to finishing.

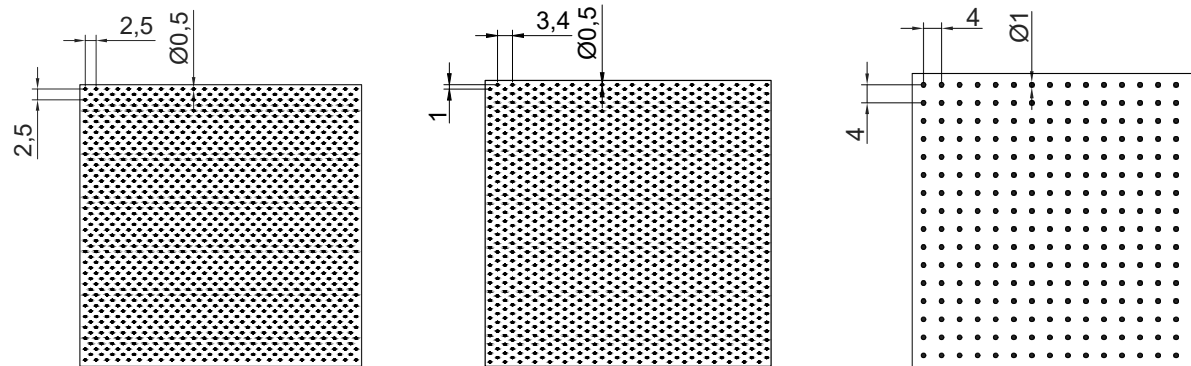
CONTACT OUR EXPERT TEAM

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88069 Tettnang | Deutschland

Tel. +49 7542 93660
info@eurolac.com

INOIS[®] MICRO Acoustic board

PERFORATION ILLUSTRATION



Note: Please note that wood is a natural product. Irregularities in color and structure are a natural characteristic and are generally desirable. Please understand that samples and illustrations regarding color and structure can only be an indication.

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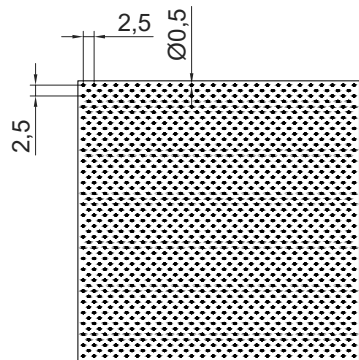
INOIS® MICRO Acoustic board

MEASUREMENT RESULTS OF THE SOUND ABSORPTION COEFFICIENT

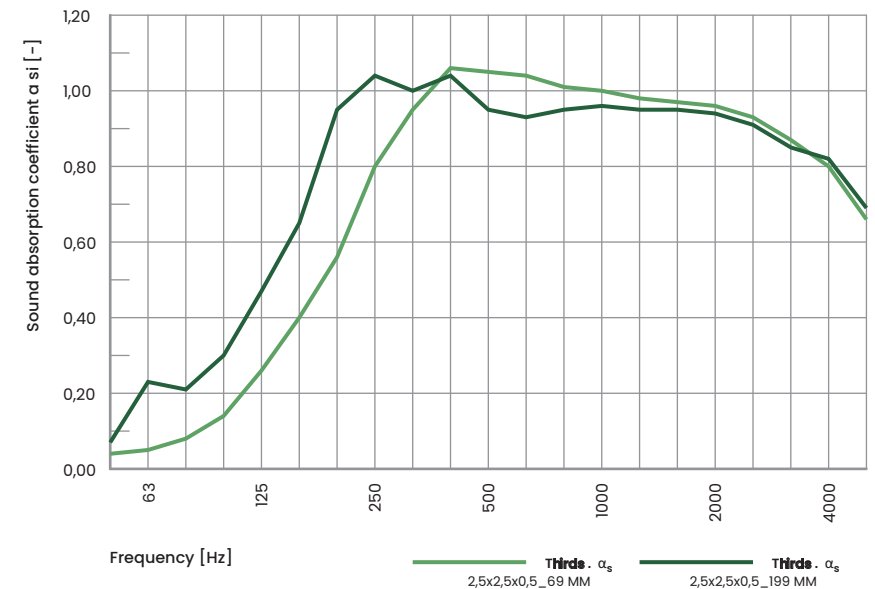
Description and measurement of sound absorption in reverberation rooms. Test method according to STN EN ISO 354: 2004

Test specimen: INOIS® MICRO 17mm, support hole 8/8/7mm, staggered, covered on the back with acoustic fleece on **69 mm frame and mineral insulation wool with a thickness of 50mm.**

Test specimen: INOIS® MICRO 17mm, support hole 8/8/7mm, staggered, covered on the back with acoustic fleece on **199 mm frame and mineral insulation wool with a thickness of 80mm.**



		2,5x2,5x0,5		2,5x2,5x0,5	
		Construction height 69 MM		Construction height 199 MM	
Frequency . f [Hz]	Thirds . α_s [-]	Octaves . α_p [-]	Thirds . α_s [-]	Octaves . α_p [-]	
50	0,04	0,05	0,07	0,15	
63	0,05		0,23		
80	0,08		0,21		
100	0,14		0,30		
125	0,26	0,25	0,47	0,45	
160	0,40		0,65		
200	0,56	0,75	0,95	1,00	
250	0,80		1,04		
315	0,95		1,00		
400	1,06		1,04		
500	1,05	1,00	0,95	0,95	
630	1,04		0,93		
800	1,01		0,95		
1000	1,00	1,00	0,96	0,95	
1250	0,98		0,95		
1600	0,97		0,95		
2000	0,96	0,95	0,94	0,95	
2500	0,93		0,91		
3150	0,87	0,80	0,85	0,80	
4000	0,80		0,82		
5000	0,66		0,69		
α_w *		0,95	0,95		
NRC **		0,95	0,95		
SAA ***		0,94	0,96		



* The weighted sound absorption coefficient according to EN ISO 11654:2001.

** Mean value of the sound absorption of the 250, 500, 1000, 2000 third octave values (rounded to 0.05).

*** Arithmetic mean value of the sound absorption across all one-third octave values from 200 - 2500 Hertz (rounded to 0.01).

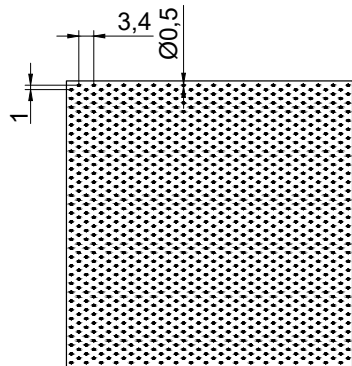
INOIS® MICRO Acoustic board

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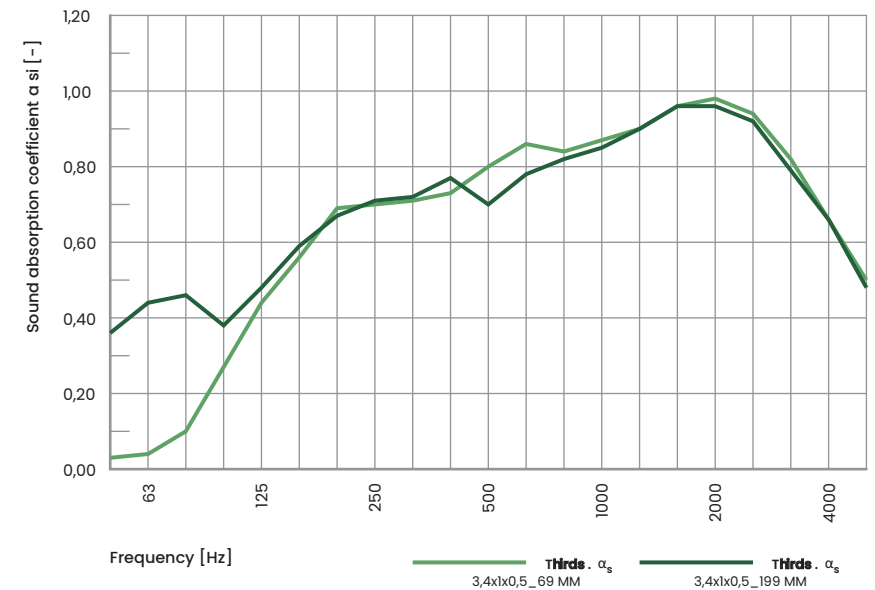
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		3,4x1x0,5	3,4x1x0,5		
		Construction height 69 MM	Construction height 199 MM		
Frequency. f [Hz]	Thirds . α_s [-]	Octaves . α_p [-]	Thirds . α_s [-]	Octaves . α_p [-]	
50	0,03	0,05	0,36	0,40	
63	0,04		0,44		
80	0,10		0,46		
100	0,27		0,38		
125	0,44	0,40	0,48	0,50	
160	0,56		0,59		
200	0,69		0,67		
250	0,70		0,71		
315	0,71	0,70	0,72	0,70	
400	0,73		0,77		
500	0,80		0,70		
630	0,86		0,78		
800	0,84	0,85	0,82	0,85	
1000	0,87		0,85		
1250	0,90		0,90		
1600	0,96		0,96		
2000	0,98	0,95	0,96	0,95	
2500	0,94		0,92		
3150	0,82		0,79		
4000	0,66		0,66		
5000	0,50	0,65	0,48	0,65	
α_w *		0,80	0,80		
NRC **		0,85	0,80		
SAA ***		0,83	0,81		



* The weighted sound absorption coefficient according to EN ISO 11654:2001.

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*** Arithmetic mean value of the sound absorption across all one-third octave values from 200 - 2500 Hertz (rounded to 0.01).

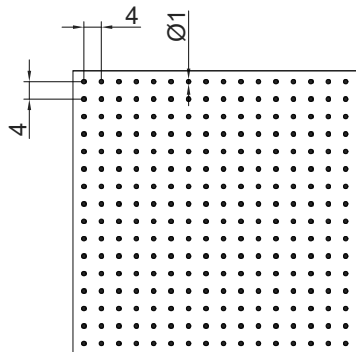
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