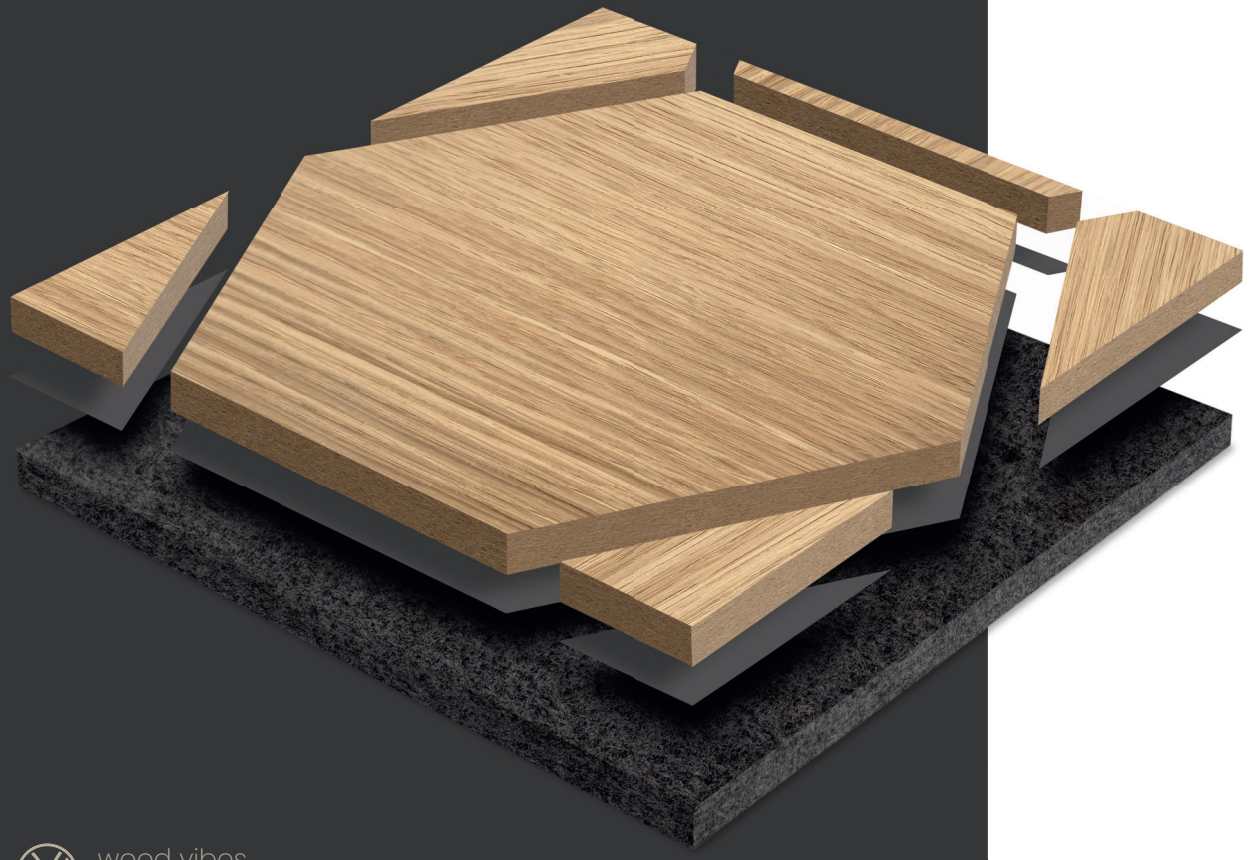
INOIS® Apis
Acoustic board

The acoustically effective combination consists of a fleece and high-quality MDF patterns veneered with precious wood.



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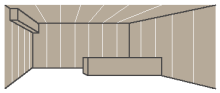
sound-absorbing

digital printing possible

flame-resistant core board possible



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

INOIS® Apis
Acoustic board

	Recommended configuration	Individualisation
CORE BOARD		
Core board:	MDF E0.5 (depending on the combination) with backing paper	MDF MR/ FR/ NAF
Core board thickness:	Total thickness approx. 19-23 mm (incl. veneer)	
FORMATS		
Formats:	674 x 584 mm	
VENEER GLUING		
Veneer gluing:	D3 (NAF) according to EN 204	D4 according to EN 204
VISIBLE SIDE		
Veneer:	European oak	140 wood species see www.europlac.com/customisation
Quality:	A-First Quality	A-Pattern matching 5*, A, B, C: see www.europlac.com/customisation
Grading:	Half-crown cut	2 further grading types: see www.europlac.com/customisation
Bonding method:	Random matched SMOOTH	6 further bonding methods see www.europlac.com/customisation
Veneer thickness:	approx. 0,6 mm	hardwoods approx. 0,6 mm, softwoods approx. 0,9 mm
Surface finishing:	Natural hard wax	5 further surface finishes: see www.europlac.com/customisation Pa
Pattern:	12 mm MDF nature, distance 15 mm	12 mm MDF black
REVERSE SIDE		
Reverse side:	Fleece 10 mm black (flame retardant B-s1, d0 possible)	fleece grey

CERTIFICATES

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

ADDITIONAL INFORMATION

Sound reduction in accordance with EN 11654 Class D.
According to EN 13501-1 before veneering, no combination testing.
Corev boards lose their certification through finishing.

Individual design and finishing possible through INDEWO digital printing, linoleum, metal laminates, textiles, etc.

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.

CONTACT OUR EXPERT TEAM

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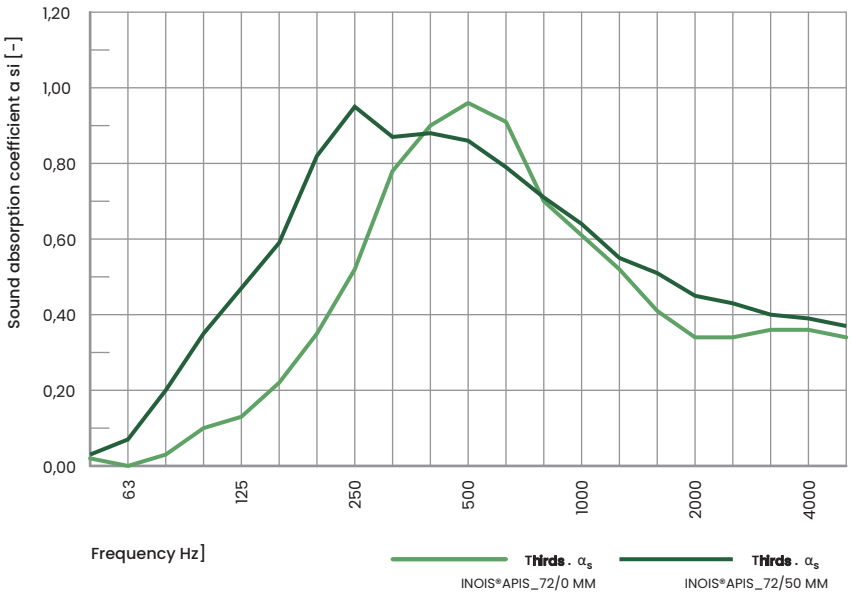
MEASURMENT RESULTS OF THE SOUND ABSORPTION COEFFICIENT

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

Test specimen: INOIS® Apis on 10 mm Fleece on **72mm frame without mineral insulation wool.**

Test specimen: INOIS® Apis on 10 mm Fleece on **72mm frame and 50 mm mineral insulation wool.**

	INOIS®APIS Construction height 72/0 MM		INOIS®APIS Construction height 72/50 MM	
Frequency . f [Hz]	Thirds . α_s [-]	Octaves . α_p [-]	Thirds . α_s [-]	Octaves . α_p [-]
50	0,02		0,03	
63	0,00	**0,00**	0,07	**0,10**
80	0,03		0,20	
100	0,10		0,35	
125	0,13	**0,15**	0,47	**0,45**
160	0,22		0,59	
200	0,35		0,82	
250	0,52	**0,55**	0,95	**0,90**
315	0,78		0,87	
400	0,90		0,88	
500	0,96	**0,90**	0,86	**0,85**
630	0,91		0,79	
800	0,70		0,71	
1000	0,61	**0,60**	0,64	**0,65**
1250	0,52		0,55	
1600	0,41		0,51	
2000	0,34	**0,35**	0,45	**0,45**
2500	0,34		0,43	
3150	0,36		0,40	
4000	0,36	**0,35**	0,39	**0,40**
5000	0,34		0,37	
α_w *	**0,45**		**0,50**	
NRC **	**0,60**		**0,75**	
SAA ***	**0,61**		**0,71**	



* 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).

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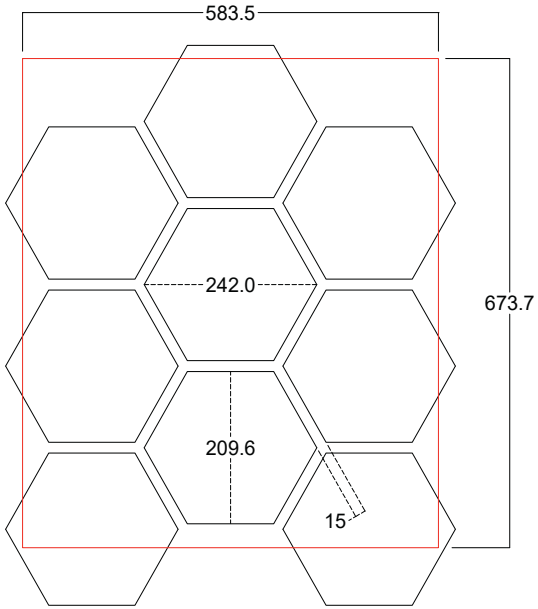
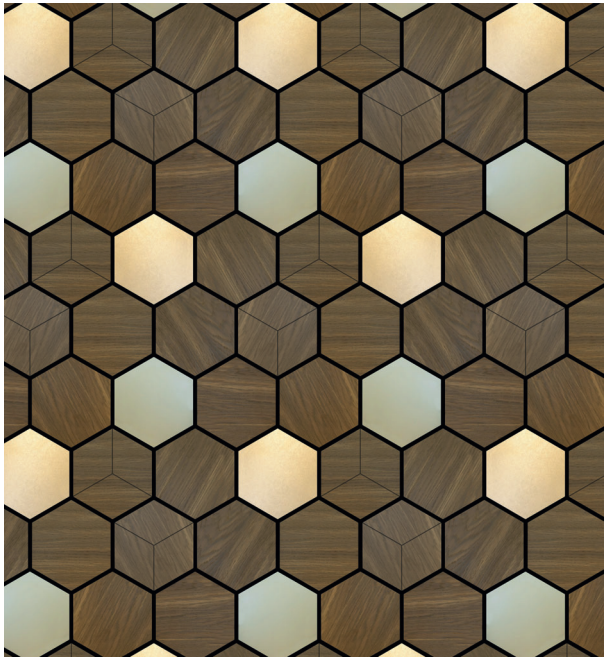
ASSEMBLY PER PANEL (INDIVIDUAL DESIGN OF VISUAL SIDE)





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