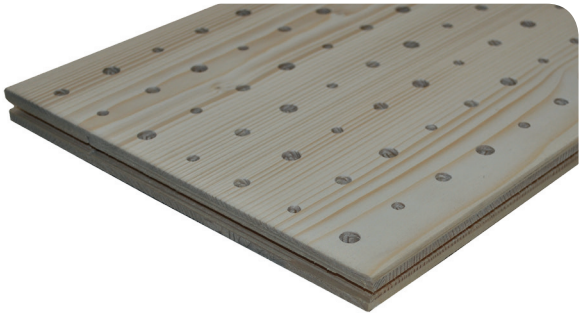
ACOUSTIC S

DOT

We present the sound choice for best acoustics.

Advantages:
- combinable with GALLERIA
- Ideal for low and medium-frequency range
- Suitable for use in sports or multi-purpose halls



Type of wood	Thickn.	Dimension
Spruce aged brushed	19 mm	244 x 2400 mm
Recl. Wood hacked H2	19 mm	244 x 1824 - 2400 mm
Recl. Wood Extreme	19 mm	244 x 1824 - 2400 mm
Oak rustic brushed	19 mm	244 x 2400 mm
Spruce strongly brushed	19 mm	244 x 2400
Recl. Wood sunbaked	19 mm	244 x 1824 - 2400 mm

https://www.admonter.eu/

Technical informationen:
- CE marking according to EN 13986
- Profile: all-round groove with MDF tongue for continuous installation
- Fire classification according to EN 13501: Hardwood D-s2, d0 / Soft-wood C-s2, d0 with mechanical attachment to subtexture
- Sound absorption class according to EN 11654: D
- Sound absorption coefficient aW 0,40 (L) max. absorption ≤ 250 Hz
- Acoustically open area: 4,1%

Packaging:
- commission on pallet

Product construction:
- 3-layer Galleria Element
- Perforation of different diameters
- Acoustic fleece rear lining (simultaneous trickle protection)
- Dimension approx. 1824 - 2400 x 244 x 19 mm
- installation guide please find on admonter.at/downloads

Processing:
- Efficient and simple machining with conventional woodworking machines
- Galleria is grooved all around with a foreign spring for endless laying
- the attachment takes place by means of a profile claw on the corre-sponding subtexture
- See the installation instructions Galleria for details

Legend:

Sound absorption

Ball-proof impact resistance hand- or hockeyball

Fire classification: D-s2, d0

Fire classification: up to C-s2, d0 only with factory-made Texture treatment and mechanical fastening possible

Ball-proof impact resistance according DIN 18032-3 (wall) with hand- and hockeyball unconditionally passed.

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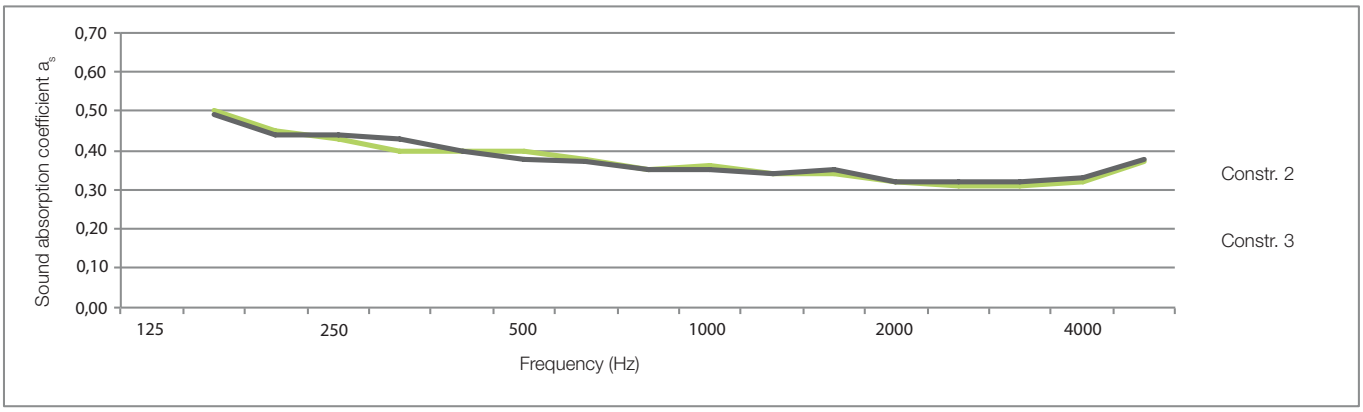
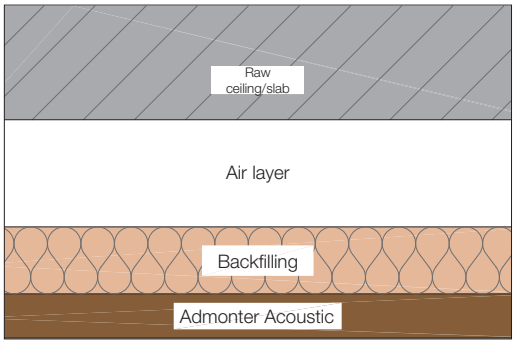
SOUND ABSORPTION GRADE **WITH BACKFILLING**



	Frequency [Hz]	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
10mm Air layer (Constr 2)	a_S accord. EN 354	0,32	0,50	0,43	0,43	0,40	0,39	0,41	0,38	0,35	0,36	0,33	0,34	0,32	0,31	0,31	0,32	0,37
	a_P accord. EN 11654	0,30		0,40			0,40			0,35			0,30			0,35		
	SAA *)			0,37														
	NRC *)				0,40													
90mm Air layer (Constr 3)	a_S accord. EN 354 **)	0,40	0,49	0,42	0,44	0,43	0,38	0,38	0,37	0,35	0,35	0,34	0,35	0,32	0,32	0,32	0,33	0,38
	a_P accord. EN 11654 **)	0,30		0,45			0,40			0,35			0,35			0,35		
	SAA *)			0,37														
	NRC *)				0,40													

*) NRC and SAA calculation based on ASTM C423

**Data source:
Reverberation room measurement according to EN 354 & EN 11654
Laboratory for Building Physics, TU Graz; Notified Body Nr.: 2064)
Sound absorption class according to EN 11654: D
Sound absorption coefficient according to EN 11654: αW 0,40 (L)
max. absorption ≤ 250 Hz



	Air layer	Backfilling	Total constr. height
Construction 2	10 mm	50 mm	approx. 79 mm
Construction 3	90 mm	50 mm	approx. 159 mm

ONLINE CALCULATION - TOOL

Use this service for your individual acoustic room design calculation:
https://service.admonter.at/raumakustik/en.html

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