

# ACOUSTIC<sup>S</sup> LINEAR

Solid wood texture with pronounced, linear acoustic absorption behaviour.



Type of wood	Thickn.	Dimension
Spruce	19 mm	240 x 2400mm
Spruce aged	19 mm	240 x 2400mm
Larch	19 mm	240 x 2400mm
Larch aged	19 mm	240 x 2400mm
Oak basic	19 mm	240 x 2400mm
Oak finger jointed	19 mm	240 x 2400mm
Fir rift/semi rift finger jointed	19 mm	240 x 2400mm

<https://www.admonter.eu/>

- CE marking according to EN 13964
- Profile: all-round groove for continuous installation
- Fire classific. accord. to EN 13501, C-s2, d0 for below types of wood only with factory surface treatment and mechan. attachment
- Sound absorption class according to EN 11654: A
- Sound absorption coefficient  $\alpha_w$  1,00
- Acoustically open area: 9 %

**PRODUCT CONSTRUCTION**

- Solid wood 3-layer
- cutting geometry: 13 mm web – 3 mm slot) back with hole
- Acoustic fleece rear lining (simultaneous trickle protection)
- installation guide please find on [admonter.at/downloads](http://admonter.at/downloads)


- Surface weight / Element: approx. 11,14 kg/m<sup>2</sup>
- Texture: untreated or natural oiled
- Free of pollutants and respirable fibres
- Vapour diffusive
- Ambient area: room temperature 10 - 30°C / humidity 25 - 65% / (short-term exceeding or undershooting possible)

**PROCESSING**

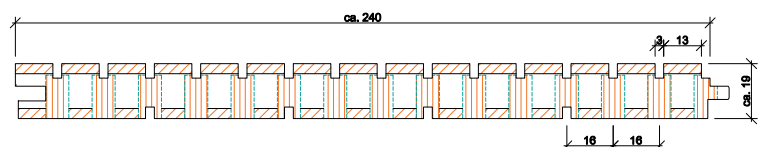
- Efficient and simple machining with conventional woodworking machines
- Concealed, tool-free installation by means of the Admonter ACOUSTICs fastening system or
- Direct attachment with clamps or compressed nails through the groove cheek on wooden subtexture

LEGEND:

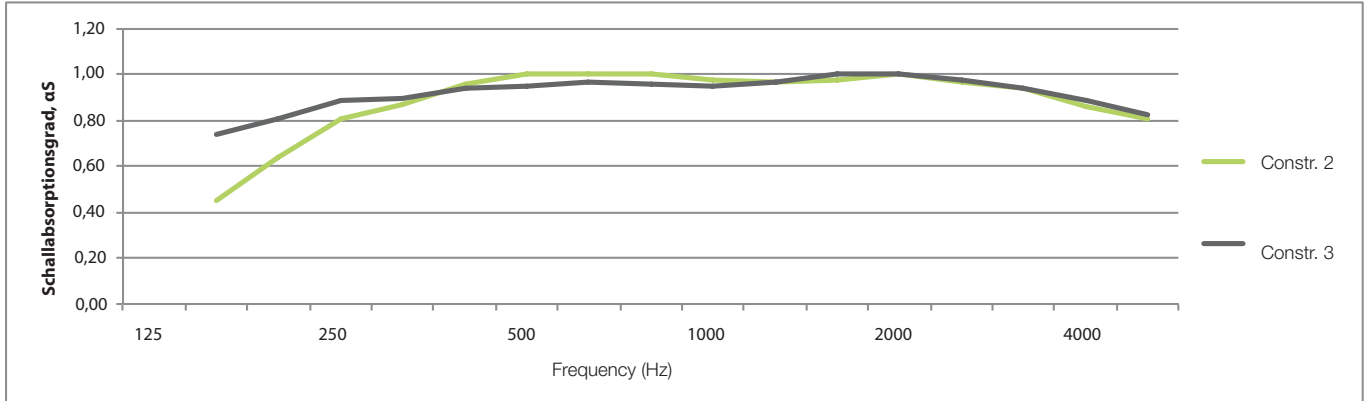
 Sound absorption

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

ACOUSTIC LINEAR



# SOUND ABSORPTION GRADE WITH BACKFILLING

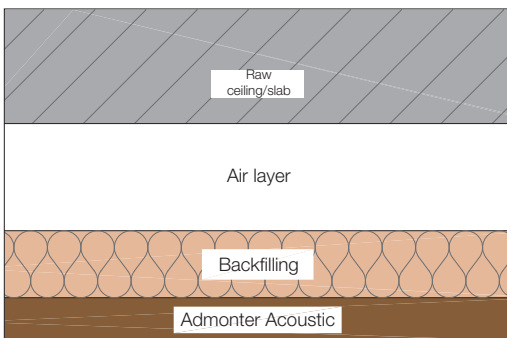


	Frequency [Hz]	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Constr. 2	$a_s$ accord. EN 354	0,26	0,48	0,64	0,83	0,87	0,96	1,00	1,00	1,00	1,00	0,97	0,98	1,00	0,99	0,94	0,86	0,81
	$a_p$ accord. EN 11654	0,30			0,80			1,00			1,00			1,00				0,85
Constr. 3*	$a_s$ accord. EN 354	0,35	0,74	0,81	0,91	0,88	0,94	0,95	0,97	0,96	0,95	0,97	1,00	1,00	1,00	0,94	0,89	0,83
	$a_p$ accord. EN 11654	0,40			0,85			0,95			0,95			1,00				0,90

\*Sound absorption accord. EN 11654: A

\*Sound absorption accord. EN 11654:  $\alpha_w$  1,00

\*Data source:  
Reverberation room measurement according to EN 354 & EN 11654  
Laboratory for Building Physics, TU Graz; Notified Body Nr.: 2064



	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>

