



Technical Data Sheet - Lamellow SPA

TYPE / SOLUTION: Gustafs Linear Panels

REV: 2023-12

CORE: Composite and PET felt

DOC: TDS-LAMELOW SPA

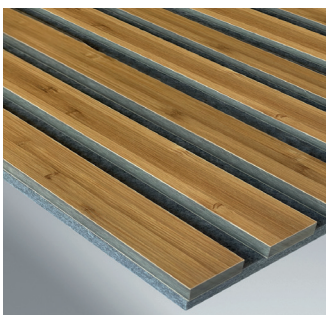
SURFACE: PVDF Coated Wood Veneer and Acoustex Felt

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DESIGN	THICKNESS	LENGTH*	WIDTH
Linear	19 mm	2400 mm	600 mm

* For Ceiling, Length: 1200 mm

ESTETICS & MAINTENANCE



COLOUR, PATTERN & FINISH

Wood is a natural product and each veneer is unique. Colour, pattern and structural differences are considered as normal and a part of the décor. Select panels and ribs on colour shade and plan your wall or ceiling installation, we recommend mixing varying shades randomly. Wood changes over time when exposed to UV-light.

MAINTENANCE

For indoor use or out-door under a roof protected from direct sun-light. Use and installation at -40 - +100°C and 100% humidity. Cleanings is done by dry mop or vacuum, approved for 70% alcohol products. Use synthetic cleaning fluid without ammonia for greasy stains, fruit, wine and coffee. Blood is removed with cold water.

TOLERANCES	PERFORMANCE	COMMENTS	STANDARD
Thickness	± 0,5 mm	/ panel	SS-EN 13986/324-1/324-2
Length & Width	± 1,0 mm	/ panel	SS-EN 13986/324-1/324-2
Diagonal size	± 1,0 mm	/ panel	SS-EN 13986/324-1/324-2
Flatness	± 2,0 mm	/ meter	SS-EN 13986/324-1/324-2

PHYSICALS	PERFORMANCE	COMMENTS	STANDARD
DoP	Approved	Available on request	EN 14190:2014, system 3
Weight	11,5 kg/m ²		SS-EN 13986/324-1/324-2
Flexural tensile strenght	Class 1 / A / no load		EN 14190:2014
Service load bearing	450 N	For ceiling use	EN 14190:2014
Failing load bearing	3520 N	For ceiling use	EN 14190:2014
Thermal conductivity	NPD		

ENVIRONMENT	PERFORMANCE	COMMENTS	STANDARD
Release of asbestos	NPD		
TVOC	Emissions - TVOC and Formaldehyde approved for:	BVB, BREEAM, AgBB, M1, E1, SundaHus, Svanen, BlueAngel, Belgian VOC, French VOC	ISO 16000-9
Recycled content, pre-cons.	0%	rPET, in the felt backing	
Recycled content, post-cons.	> 50%	rPET, in the felt backing	
FSC® Wood	Yes, available. Certificate code: SAI-COC-010919	Available on request	FSC®
Durability	> 50 years	Expected life time	
Energy for production	100% Hydropower	Certified 100% renewable energy	
Possible LEED points	EA C1, MR C1.2, MR C2, MR C3, MR C4, MR C5, MR C6, MR C7, IEQ C3.1, IEQ C3.2, IEQ C4.1, IEQ C4.4. Schools: EQ C4, option 6, EQ C9	Sustainable buildings	LEED for New Construction and Major Renovations. LEED for Schools
Possible BREEAM points	Approved in applicable categories	Sustainable buildings	BREEAM



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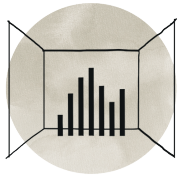
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FIRE	PERFORMANCE	COMMENTS	STANDARD
Reaction to fire	B-s1,d0	per component	EN 13501-1

ACOUSTICS



GUSTAFS LAMELLOW SPA - ACOUSTICS

Absorption class D is achieved when the panel is installed directly in the wall or ceiling.

To achieve absorption class A (extremely absorbent), first line the wall or ceiling with 45 mm studs, 600 mm cc, and place 45 mm thick mineral wool behind the panels.

For a significant effect we recommend covering minimum 25% of the rooms surfaces.

Wall or Ceiling installation

DIRECT INSTALLATION | 0 mm INSULATION + 0 mm AIR VOID (Hz/ α_p) | TOTAL DEPTH 22 mm

Rib Widht	Spacing	Slot	Open area	α_w	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
27 mm	13 mm	∞	36%	0,30-D	0,55	0,05	0,10	0,25	0,75	1,00	0,80

45 mm INSULATION + 0 mm AIR VOID (Hz/ α_p) | TOTAL DEPTH 67 mm

Rib Widht	Spacing	Slot	Open area	α_w	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
27 mm	13 mm	∞	36%	0,95-A	0,95	0,35	0,90	1,00	1,00	0,90	0,85

Ceiling installation

CEILING SUSPENDED | 0 mm INSULATION + 200 mm AIR VOID (Hz/ α_p) | TOTAL DEPTH 222 mm

Rib Widht	Spacing	Slot	Open area	α_w	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
27 mm	13 mm	∞	36%	0,90-A	0,85	0,30	0,75	0,90	0,80	0,90	0,85