



# Technical Data Sheet - Lamellow+

TYPE / SOLUTION: Gustafs Linear Panels

REV: 2023-12

CORE: Fibre Gypsum and PET felt

DOC: TDS-LAMELOW PLUS

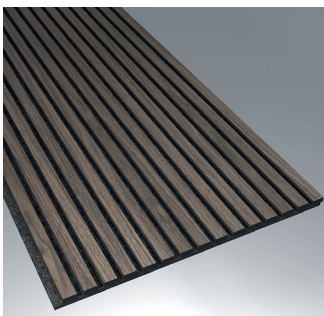
SURFACE: Coated Wood Veneer and Acoustex Felt

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DESIGN	THICKNESS	LENGTH*	WIDTH
Linear	22 mm	2400 or 3000 mm	600 mm
Barcode	22 mm	2400 or 3000 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.

When painted, please supply RAL or NCS numbers.

### MAINTENANCE

Only for indoor use. Use and installation at 18-50°C and 25-60% humidity. Panels must be acclimatized in the room where they will be used, for a minimum of 7 days, while still in their original packaging. Cleanings is done by dry mop or vacuum. Use synthetic cleaning fluid without ammonia for greasy stains, fruit, wine and coffee. Blood is removed with cold water. Our UV coated and Laminate surfaces are approved for hospital cleaning products containing up to 70% alcohol.

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	13,5 kg/m <sup>2</sup>		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
EPD	Reg. number: S-P-09107	Valid until: 2028-05-15	EN 15804:2012+A2:2019/AC:2021
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.	83%	Industrial Gypsum	
Recycled content, post-cons.	67%	Industrial Gypsum and PET	
FSC® Wood	Yes, available. Certificate code: SAI-COC-010919		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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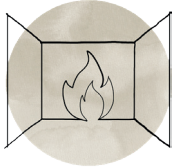
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## FIRE SAFETY

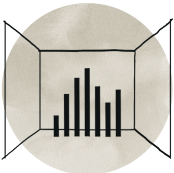


### GUSTAFS LAMELLOW+ - FIRE

The fire safety of Gustafs Lamellow+ comes from its material composition and is not reliant on chemical treatments. The Lamellow+ panel has the fire classification: B-s1,d0.

FIRE	PERFORMANCE	COMMENTS	STANDARD
Reaction to fire	B-s1,d0	For the complete and final product	EN 13501-1
Resistance to fire	K1-10/K2-10	For the complete and final product	EN 13501-2

## ACOUSTICS



### GUSTAFS LAMELLOW+ - ACOUSTICS

Gustafs Lamellow+ optimizes the sound quality for rooms in all sizes.  
Bring the beautiful sound of wood and natural silence indoor.  
Lamellow+ is designed for eyes and ears.

## Wall or Ceiling installation

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

Rib Widht	Spacing	Slot	Open area	$\alpha_w$	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
27 mm	13 mm	$\infty$	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/  $\alpha_p$ ) | TOTAL DEPTH 67 mm

Rib Widht	Spacing	Slot	Open area	$\alpha_w$	NRC	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
27 mm	13 mm	$\infty$	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/  $\alpha_p$ ) | TOTAL DEPTH 222 mm

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