

GUSTAFS		Technical Data Sheet											Doc	TDS-GLM-T24 Plywood					
		Gustafs Linear Module System - Ceiling T24											Rev	2019-12-02					
													Page	1/1					
CORE	Rib dimension		STANDARD SPACING		MODULE WIDTH		LENGTH		Surface										
Plywood	Landscape 45x20 mm		15 mm		600 mm		1200 or 1800 mm		Elm / Ash / Birch / Rotary cut Birch / Beech / American white Oak / European Rift Oak / Red Oak / Cherry / Maple / Mahogany / Oregon Pine / Teak / Walnut / Pear										
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. Wood changes over time when exposed to UV-light.																	
Maintenance		Only for indoor use. Use and installation at 18-50 C° and 25-60% humidity. 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.																	
TOLERANCES		PERFORMANCE			COMMENTS						STANDARD								
Thickness		± 0,5 mm									SS-EN 13986/324-1/324-2								
Length		± 0,5 mm									SS-EN 13986/324-1/324-2								
Width		± 0,5 mm									SS-EN 13986/324-1/324-2								
Warping of ribs		± 0,5 mm									SS-EN 13986/324-1/324-2								
PHYSICALS		PERFORMANCE																	
Weight		Depending on the wood specie, rib & module dimension, spacing between the ribs.																	
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								
EVIRONMENT		PERFORMANCE			COMMENTS						STANDARD								
Release of asbestos		NPD																	
Formaldehyde		E1									SS-EN ISO 16000-9								
Recycled content, pre-cons.		0%			Plywood														
Recycled content, post-cons.		0%			Plywood														
FSC wood		Yes, available on request			Certificate code: SCS-COC-005137						FSC, Chain of Custody								
Durability		> 50 years			expected life time														
Energy for production		97% water, 3% wind energy			100% renewable energy														
Possible LEED points		EA C1, MR C1.2, MR C2, MR C3, 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																			
FIRE		PERFORMANCE			COMMENTS						STANDARD								
Reaction to fire		B-s1,d0			Plywood, improved by impregnation						EN 13501-1								
ACOUSTICS																			
Typ	Spacing	Slott (D)	cc (A/E)	WALL: 45 mm insulation + 30 mm air void (Hz/αp)								CEILING: 45 mm insulation + 200 mm air void (Hz/αp)							
				αw	NRC	125	250	500	1000	2000	4000	αw	NRC	125	250	500	1000	2000	4000
Linear	15 mm	∞	50	0,70-C	0,80	0,30	0,90	1,00	0,75	0,60	0,65	0,70-C	0,80	0,50	0,95	0,85	0,75	0,60	0,65