

**GLS FACTS**

Core	Fiber reinforced Gypsum
Core	Sandwich
Surface	Real wood Veneer
Thickness	22, 28, 34 and 44 mm
Width	38 mm
Length	2400 mm
Fire rating	B-s1,d0
Acoustics, open area	24%
Installation	Black aluminum Quick-Up Assembly Capax



Gustafs Linear System

Wood has always been a natural ingredient in Scandinavian architecture. GLS is a new and innovative linear system for walls and ceilings. Utilizing real wood veneer GLS integrates the Quick-Up installation system to achieve a reliable, labour saving and exclusive interior finish. Naturally, GLS offers a design attribute which comes with the best fire rating, optimal sound absorption and diffusion.

THE RIBs

A fiber reinforced gypsum core wrapped with real wood veneer. The natural wood finish provides the impression of a genuine solid wood product with natural variations in pattern and colors.

HEAVY DUTY

For walls in tough environments like in schools, restaurants and aisles and entrances in general, we have designed a special sturdy and more impact resistant RIB with a unique sandwich core construction.

CREATE

Gustafs Linear System allows designers to create great and appealing rooms while at the same time assuring the highest possible well-being for their occupants.

SUSTAINABILITY

Every RIB contains 95% post consumer recycled material and has an expected life cycle extending 50 years. Installed demountable, the Ribs can be re-used for new fit outs. These criteria's normally contribute to BREEAM and LEED credits.

THE QUICK-UP ASSEMBLY CAPAX SYSTEM

A user friendly black aluminum grid offering installation reliability providing a perfect visual result. No tools are needed to assemble the interlocking components. A fully demountable version is available, ideal when access to the ancillary systems is required.

GUSTAFS		Technical Data Sheet								Doc	TDS-GLS				
		Gustafs Linear System								Rev	2013-03-19				
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CORE		THICKNESS			WIDTH		LENGTH		SURFACE						
Fiber Gypsum		22, 28, 34, 44 mm			38 mm		2400 mm		Wood Veneer, Lacquer or colored foil						
Sandwich, Fiber Gypsum + FR MDF		22, 28, 38, 44 mm													
MDF		22, 28, 34, 44 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. 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. Cleanings is done by dry mop or vacuum. Use white spirit for greasy stains, synthetic cleaning fluid without ammonia for fruit, wine and coffee. Blood is removed with cold water.													
TOLERANCES		PERFORMANCE			DESCRIPTION				STANDARD						
Thickess		±0,5 mm							SS-EN 13986/324-1/324-2						
Lenght		±1,0 mm							SS-EN 13986/324-1/324-2						
Width		±0,2 mm							SS-EN 13986/324-1/324-2						
Flatness		±2,0 mm							SS-EN 13986/324-1/324-2						
PHYSICALS		PERFORMANCE			DESCRIPTION				STANDARD						
CE declaration									EN 13964						
Weight gypsum core, t=28		26,6 kg/m ²							SS-EN 13986/324-1/324-2						
Weight sandwich core, t=28		21,1 kg/m ²							SS-EN 13986/324-1/324-2						
Weight MDF core, t=28		17,0 kg/m ²							SS-EN 13986/324-1/324-2						
Flexural tensile strenght									EN 13964						
Service load bearing									EN 13964						
Failing load bearing									EN 13964						
Thermal conductivity															
ENVIRONMENT		PERFORMANCE			DESCRIPTION				STANDARD						
Release of asbestos		NPD													
Formaldehyde		E1			E1 = 0,05 mg/m ³				EN 717-1						
TVOC		µg/m ² h			total emission				SS-EN ISO 16000-9						
Recycled content, pre-cons.		77%			industrial gypsum										
Recycled content, post-cons.		17%			cellulosa fibers										
FSC		Yes			stewardship for woods				FSC						
Durability		> 50 years			expected life time										
Energy for production		99% water energy			1 % wind 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					sustainable buildings										
FIRE		PERFORMANCE			DESCRIPTION				STANDARD						
Reaction to fire, Gypsum		B-s1,d0			Euroclass				EN 13501-1						
Reaction to fire, Sandwich		B-s1,d0			Euroclass				EN 13501-1						
Reaction to fire, MDF		D-s2,d0			Euroclass				EN 13501-1						
Resistance to fire		K1-10/K2-10*			*Depending on the mineral insulation. Euroclass				EN 13501-2						
ACOUSTICS		Typ	Ø	Slott	cc	Open	αw & Class	45 mm wool + 30 mm gap				45 mm wool + 200 mm gap			
Sound absorption (α) EN ISO 354 / EN ISO 11654		Linear	-	12 mm	50 mm	24 %	0,85-B	200 Hz	400	1000	1500	200 Hz	400	1000	1500
								0,56	1,12	0,94	0,81	0,95	1,04	0,93	0,89