

GUSTAFS		Technical Data Sheet Gustafs Panel System				Doc	TDS-GPS							
						Rev	2012-12-10							
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CORE	SURFACE		DESIGN		THICKNESS	WIDTH	LENGTH							
Fiber Gypsum	Wood Veneer Lacquer		Plain		13,2 mm	600 mm	600 mm, 1000,							
	Painted Craft Paper		Acoustical Perforation				1200, 1500, 1800, 2400							
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							
Thickness	±0,5 mm						SS-EN 13986/324-1/324-2							
Lenght and width	+0,2 mm / - 0,5 mm						SS-EN 13986/324-1/324-2							
Diagonal size	+0,2 mm / - 0,5 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	Yes		suspended ceilings				EN 13964							
Weight	15,7 kg/m <sup>2</sup>						SS-EN 13986/324-1/324-2							
Flexural tensile strenght	Class 1 / A / no load						EN 13964							
Service load bearing	450 N		for ceiling use				EN 13964							
Failing load bearing	3520 N		for ceiling use				EN 13964							
Thermal conductivity	NPD													
ENVIRONMENT	PERFORMANCE		DESCRIPTION				STANDARD							
Release of asbestos	NPD													
Formaldehyde	E1 (0,016 mg/m <sup>3</sup> )		E1 = 0,05 mg/m <sup>3</sup>				EN 717-1							
TVOC	23 µg/m <sup>2</sup> 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	A2,s1,d0		Euroclass				EN 13501-1							
Resistance to fire	K1-10/K2-10		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	PH5	5 mm	-	20/20	5 %	0,35-D	0,65	0,60	0,44	0,30	0,70	0,73	0,42	0,38
	PH8	8 mm	-	20/20	12 %	0,55-D	0,59	0,98	0,70	0,52	0,86	0,92	0,78	0,68
	PH10	10 mm	-	20/20	18 %	0,75-C	0,60	1,10	0,90	0,74	0,98	0,94	0,88	0,84
	PG5	5 mm	-	20/20	3 %	0,3-E/D	0,48	0,49	0,32	0,24	0,50	0,44	0,35	0,28
	PG8	8 mm	-	20/20	8 %	0,50-D	0,67	0,94	0,60	0,45	0,83	0,73	0,64	0,51
	PS2	3 mm	-	20/20	2 %	0,25-E	0,70	0,91	0,31	0,18	0,70	0,67	0,37	0,22
	PD8	8 mm	-	10/10	24 %	0,85-B	0,56	1,12	0,94	0,81	0,95	1,04	0,93	0,89
	SM5	5 mm	20 mm	20/20	15 %	0,65-C	0,59	1,03	0,78	0,67	0,78	0,87	0,78	0,68
	SM8	8 mm	20 mm	20/20	26 %	0,85-B	0,59	1,04	0,93	0,84	0,70	0,96	0,87	0,84
	SH5	5 mm	40 mm	20/30	15 %	0,50-C	0,60	1,07	0,81	0,62	0,92	0,93	0,81	0,71
	SH8	8 mm	40 mm	20/30	26 %	0,75-C	0,56	1,10	0,91	0,77	0,97	1,03	0,91	0,86
	SG5	5 mm	55 mm	20/30	12 %	0,55-D	0,66	1,00	0,72	0,53	0,93	0,83	0,72	0,60
	SG8	8 mm	55 mm	20/30	20 %	0,65-C	0,63	1,08	0,84	0,65	0,99	0,95	0,84	0,73
	SX8	8 mm	140 mm	20/60	29 %	0,85-B	0,55	1,00	0,89	0,80	0,69	0,95	0,89	0,80
RS8	8 mm	40 mm	40/30	13 %	0,60-C	0,57	0,87	0,73	0,60	0,61	0,78	0,69	0,60	