

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, 1200, 1500, 1800, 2400							
	Painted Craft Paper		Acoustical Perforation												
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	PERFORMANCE		DESCRIPTION			STANDARD									
Sound absorption (α) EN ISO 354 / EN ISO 11654	Typ	Ø	Slott	cc	Open	αw & Class	45 mm wool + 30 mm gap				45 mm wool + 200 mm gap				
							200 Hz	400	1000	1500	200 Hz	400	1000	1500	
		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	

