



COMPACT LAMINATE

Technical Data sheet

Greenlam Compact Laminate

Greenlam Industries Limited ,An ISO 9001 ,14001 & 18001 Certified Company													
Technical specifications FOR TYPE CGS STANDARD DECORATIVE COMPACT LAMINATES													
S.NO.	PROPERTIES	UNIT	TEST METHOD AS PER DIN EN 438 Part 283: 2005	4.0 MM		6.0 MM		9.0 MM		12.0 MM		18.0 MM	
				Specified value as per BSEN 438-4: 2005	GREENLAM VALUES	Specified value as per BSEN 438-4: 2005	GREENLAM VALUES	Specified value as per BSEN 438-4: 2005	GREENLAM VALUES	Specified value as per BSEN 438-4: 2005	GREENLAM VALUES	Specified value as per BSEN 438-4: 2005	GREENLAM VALUES
CLASSIFICATION				EN 438-4		HPL/EN438-4/CGS		CGS		CGS		CGS	
1a	Length	mm	EN 438-2 - 6	+10/-00 mm	Complies	+10/-00 mm	Complies	+10/-00 mm	Complies	+10/-00 mm	Complies	+10/-00 mm	Complies
1b	Width	mm	EN 438-2 - 6	+10/-00 mm	Complies	+10/-00 mm	Complies	+10/-00 mm	Complies	+10/-00 mm	Complies	+10/-00 mm	Complies
2	Thickness	mm	EN 438-2 - 5	4.0 mm : ± 0.3 mm	4.0 ± 0.20	6.0 mm : ± 0.4 mm	6.0 ± 0.30	9.0 mm : ± 0.5 mm	9.0 ± 0.40	12.0 mm : ± 0.6 mm	12.0 ± 0.40	18.0 mm : ± 0.7 mm	18.0 ± 0.45
3	Resistance to Surface Wear	Rev.	EN 438-2 - 10	350 (min.)	400	350 (min.)	400	350 (min.)	400	350 (min.)	400	350 (min.)	400
4	Resistance to Scratching	N	EN 438-2 - 25	2.0 (min.)	2.5	2.0 (min.)	2.5	2.0 (min.)	2.5	2.0 (min.)	2.5	2.0 (min.)	2.5
5	Resistance to Impact by Large Diameter Ball												
a)	Drop Height	cm	EN 438-2 - 21	1400	1600	1800	1900	1800	2000	1800	2100	1800	2200
b)	Diameter of Indentation	mm	EN 438-2 - 21	10 (max)	4	10 (max)	4	10 (max)	4	10 (max)	4	10 (max)	4
6	Resistance to Cracking	Rating	EN 438-2 - 24	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5
7	Resistance to Dry Heat at 180° C	Rating	EN 438-2 - 16	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5
8	Resistance to Water vapour	Rating	EN 438-2 - 14	Not worse than 4	4	Not worse than 4	4	Not worse than 4	4	Not worse than 4	4	Not worse than 4	4
9	Resistance to Immersion in Boiling Water												
a)	Mass Increase	%	EN 438-2 - 12	5.0 (max.)	0.6	2.0 (max.)	0.55	2.0 (max.)	0.48	2.0 (max.)	0.44	2.0 (max.)	0.26
b)	Thickness	%	EN 438-2 - 12	6.0 (max.)	0.8	2.0 (max.)	0.72	2.0 (max.)	0.67	2.0 (max.)	0.61	2.0 (max.)	0.58
c)	Appearance	Rating	EN 438-2 - 12	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5	Not worse than 4	5
10	Resistance to Cigarette Burns	Rating	EN 438-2 - 30	Not worse than 3	4	Not worse than 3	4	Not worse than 3	4	Not worse than 3	4	Not worse than 3	4
11	Resistance to staining Group 1 & 2	Rating	EN 438-2 - 26	5	5	5	5	5	5	5	5	5	5
	Group 3	Rating	EN 438-2 - 26	4	4	4	4	4	4	4	4	4	4
12	Flatness of panel		EN 438-2 - 9	8 mm/M	8 mm/ M	5 mm/M	5 mm/ M	5 mm/ M	5 mm/ M	3 mm/M	3 mm/ M	3 mm/M	3 mm/ M
13	Resistance to Colour Change												
	In Xerox Arc Light (Contrast Grey scale)	Rating	EN 438-2 - 27	4 to 5	5	4 to 5	5	4 to 5	5	4 to 5	5	4 to 5	5
14	Dimensional Stability at Elevated Temperature												
a)	Longitudinal	%	EN 438-2 - 17	0.40 (max.)	0.18	0.30 (max.)	0.09	0.30 (max.)	0.08	0.30 (max.)	0.07	0.30 (max.)	0.08
b)	Transverse	%	EN 438-2 - 17	0.80 (max)	0.22	0.60 (max)	0.15	0.60 (max)	0.12	0.60 (max)	0.13	0.60 (max)	0.14
15	Tensile Strength	Mpa	EN ISO 527-2:1996	60 (min.)	80 - 90	60 (min.)	80 - 90	60 (min.)	80 - 90	60 (min.)	80 - 90	60 (min.)	80 - 90
16	Flexural Strength	Mpa	EN ISO 178:2003	80 (min.)	100 - 120	80 (min.)	100 - 120	80 (min.)	100 - 120	80 (min.)	100 - 120	80 (min.)	100 - 120
17	Flexural Modulus	Mpa	EN ISO 178:2003	9000 (min.)	1000 - 11000	9000 (min.)	11000 - 12000	9000 (min.)	11000 - 12000	9000 (min.)	11000 - 12000	9000 (min.)	11000 - 12000
18	Density	g/cm ³	EN ISO 1183 -1:2004	1.35	1.4 ± 0.05	1.35	1.4 ± 0.05	1.35	1.4 ± 0.05	1.35	1.4 ± 0.05	1.35	1.4 ± 0.05

Note :Please refer to Index on range offering in above mentioned dimensions .

** Other thickness & sizes are also available as per requirement.Please contact your local representative for more Information & complete range offerings

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(HPL)Decorative laminates Dimensions (Feet)	Dimensions in (mm)
1 3x7*	914 X 2135
2 4x8	1220 X 2440
3 4.25x10*	1300 X 3050
4 5x12**	1525 X 3660

(CGS) Compact Decorative laminates Dimensions (Feet)	Dimensions in (mm)
1 4x8	1220 x2440
2 4.25 x 10**	1300 x 3050
3 5x6**	1525 x 1830
4 5x12**	1525 x 3660
5 6x6**	1830 x 1830
6 6x12**	1830 x 3660