



Greenlam
LAMINATES

Technical Data Sheet- Exterior Compact Laminates

TECHNICAL SPECIFICATIONS



Sr. No.	PROPERTIES	UNIT	TEST METHOD AS PER EN438 PART 2: 2016	SPECIFIED VALUES	TYPICAL GREENLAM	SPECIFIED VALUES	TYPICAL GREENLAM
1	Classification	EN 438-6 Table- 3	Exterior Severe use Standard, EDS				
PHYSICAL & DIMENSIONAL PROPERTIES							
2	Nominal Thickness	mm	6.00mm THICKNESS		8.00mm THICKNESS		
3	Thickness & Maximum variation	mm	EN 438-2 - 5	6.00 ± 0.40	6.00 ± 0.30	8.00 ± 0.50	8.00 ± 0.40
4	Surface Quality	mm ² /M ²	EN 438-3-6.3, 5.2.4	0.70 (max)	Complies	0.70 (max)	Complies
5	Fibers, Hairs & Scratches	mm/M ²		10.0 (max)	Complies	10.0 (max)	Complies
6	Length & Width	mm	EN 438-2 - 6	+10mm /-0mm	+5mm /-0mm	+10mm /-0mm	+5mm /-0mm
7	Flatness	mm/M	EN 438-2 - 9	5.0 (max)	≤ 5.0	5.0 (max)	≤ 5.0
8	Edges Straightness	mm/M	EN 438-2 - 7	1.5 (max)	≤ 1	1.5 (max)	≤ 1
9	Edges Squareness	mm/M	EN 438-2 - 8	1.5 (max)	Complies	1.5 (max)	Complies
10	Dimensional stability at Elevated temperatures		EN 438-2 - 17				
	Longitudinal	%		0.30 (max.)	Complies	0.30 (max.)	Complies
	Transverse	%		0.60 (max.)	Complies	0.60 (max.)	Complies
11	Density	g/cm3	EN ISO 1183-1 :2004	1.35 (min.)	1.38	1.35 (min.)	1.38
MECHANICAL PROPERTIES							
12	Resistance to impact by large diameter ball (shatter resistance)		EN 438-2 - 22				
	Drop Height	mm		1800 (min.)	2000	1800 (min.)	2200
13	Resistance to Immersion in wet conditions		EN 438-2 - 15				
	Mass Increase	%		5 (max.)	2.03	5 (max.)	1.45
	Surface rating	Rating		4	Complies	4	Complies
	Edge rating	Rating		3	Complies	3	Complies
14	Resistance to climatic shock	Rating	EN 438-2-19	Appearance -4 (min)	4	Appearance -4 (min)	4
		Index		Ds - 0.80 (min)	≥ 0.95	Ds - 0.80 (min)	≥ 0.95
		Index		Dm - 0.80 (min)	≥ 0.95	Dm - 0.80 (min)	≥ 0.95
15	Electrostatic Dissipation Property	Ω	EN 61340-4-1	No requirement	1 x 10 ¹⁰ to10 ¹¹	No requirement	1 x 10 ¹⁰ to10 ¹¹
SURFACE PROPERTIES							
16	Resistance to UV Light, after 1500 hours exposure	Rating	EN 438-2-28	Grey Scale contrast-3 (min) 3~4 Appearance- 4 (min.) 4~5		Grey Scale contrast-3 (min) 3~4 Appearance- 4 (min.) 4~5	
17	Resistance to artificial weathering including light fastness, after 650 MJ/M² Radiant exposure	Rating	EN 438-2-29	Grey Scale contrast-3 (min) 3~4 Appearance- 4 (min.) 4~5		Grey Scale contrast-3 (min) 3~4 Appearance- 4 (min.) 4~5	
18	Flexural Strength	Mpa	EN ISO 178:2003	80 (min)	100	80 (min)	110
19	Flexural Modulus	Mpa	EN ISO 178:2003	9000(min)	10700	9000(min)	11500
FIRE PERFORMANCE							
20	Reaction to Fire (Tested according to EN 13823:2010 & EN 11925-2 :2010)*	Euro class	EN 13501-1: 2007+ A1:2009	D-s2, d0	D-s1, d0	D-s2, d0	D-s1, d0

*EDS - Exterior Severe use Standard

Class (Rating) - 1= Surface damage, 2= Severe appearance alteration, 3= Moderate change, 4= Slight change visible at certain angle, 5= No change

Bacteria tested: 1.Pseudomonas. 2. Entrococcus Faecalis, 3.Candida Albicans 4.Pseudomonas Aeruginosa 5. Escherichia Coli 6. Klebsiella 7. MRSA (Methicillin Resistant Staphylococcus Aureus) 8. Salmonella Enterica

Fungus tested: 1.Aspergillus niger 2. Penicillium funiculosus 3. Gliocladium virens 4. Chaetomium globosum 5. Aureobasidium pullulans

Note: Greenlam products are manufactured thoroughly to standards. The values given above are to the best of knowledge but without liability/warranty, expressed or implied



Greenlam provides FSC® Certified product (Certificate No. DNV-COC-002714), on request.



Greenlam
Europe (UK) Limited

Registered Office:

3 Brindley Place, Brindley Place,
Birmingham, England, B1 2JB
Email: info.uk@greenlam.com
Web: www.greenlam.com

Global Headquarter: 2nd Floor, West Wing, Worldmark 1, Aerocity IGI Airport Hospitality District, New Delhi - 110037.
Tel: (91 11-4279-1399)

 [/greenlamlaminate](https://www.facebook.com/greenlamlaminate)  [/greenlam01](https://twitter.com/greenlam01)  [/greenlam_laminates/](https://www.instagram.com/greenlam_laminates/)  [/greenlamIndustries](https://www.youtube.com/greenlamIndustries)