

TECHNICAL DATA SHEET
GREENLAM CHALK GRADE LAMINATE
THICKNESS: 0.80 MM

Data Sheet Ref: GIL-TDS-L-EN-013
Dated: January 16, 2025
Revision: 03

Sr. No.	PROPERTIES	TEST STANDARD	UNIT	SPECIFIED VALUES	GREENLAM VALUES
1	Classification	EN 438: Part 2: 2016		Marker Grade, Type S-VGS	
2	Product application	Chalk Grade-Vertical and Horizontal applications			
3	Shades offered	Green, Grey and Black			
4	Surface finish	Chalk Grade Finish			
5	Size offered (mm)	1220 x 2440, 1300 x 3050, 1525 x 3660			
6	Feature	No Ghost Marking after wiping with melamine sponge			
PHYSICAL & DIMENSIONAL PROPERTIES					
7	Nominal Thickness		mm	0.80mm	
8	Thickness variation	EN 438-2 – 5	mm	± 0.10	Conforms
9	Tolerance on Length	EN 438-2 – 6	mm	+10, -Nil	Conforms
10	Tolerance on Width	EN 438-2 – 6	mm	+10, -Nil	Conforms
11	Flatness	EN 438-2 – 9	mm/M	60.0 (max)	≤ 50
12	Straightness of edges	EN 438-2 – 7	mm/m	1.5 (max.)	Conforms
13	Squareness	EN 438-2 – 8	mm/m	1.5 (max.)	Conforms
14	Density	EN ISO 1183 -1 :2004	gram/cm³	1.35(min.)	Conforms
15	Dimensional Stability at Elevated Temperatures				
	Longitudinal Direction	EN 438-2 - 17	%	0.75 (max.)	Conforms
	Transverse Direction		%	1.25 (max.)	Conforms
MECHANICAL PROPERTIES					
16	Resistance to Immersion in Boiling Water				
	Appearance	EN 438-2 - 12	Grade	Not worse than 3	Conforms
17	Resistance to Impact by Small Diameter Ball				
	Spring Force	EN 438-2 - 20	N	15.0 (min.)	Conforms
18	Resistance to Cracking	EN 438-2 - 23	Grade	Not worse than 4	Conforms
19	Resistance to impact by large diameter ball				
	Drop height	EN 438-2 - 21	mm	600 (min)	Conforms
	Indent diameter		mm	10 (max)	Conforms
SURFACE PROPERTIES					
20	Resistance to Scratching	EN 438-2 - 25	Rating	1 (min.)	2 (min)
21	Resistance to Dry Heat (160 °C)	EN 438-2 - 16	Grade	Not worse than 3	Conforms
22	Resistance to Wet Heat (100 °C)	EN 438-2 - 18	Grade	Not worse than 3	Conforms
23	Resistant to Water Vapor	EN 438-2 - 14	Grade	Not worse than 3	Conforms
24	Resistance to Surface Wear	EN 438-2 - 10	Rev. (I.P.)	50 (min.)	150
25	Resistance to staining				
	Group 1 & 2	EN 438-2 - 26	Grade	Not worse than 5	Conforms
	Group 3		Grade	Not worse than 4	Conforms
26	Light fastness (xenon arc)				
	In Xenon Arc Lamp	EN 438-2 - 27	Grey scale rating	4 to 5	Conforms

A. **Technical Properties of the product:** Though there is no separate standard or requirement for Chalk Grade Products in EN 438: 2016 standard, the properties of this product closely meet the specified requirements.

B. **Caution note while using the product:**

The product must be limited for/ not to

- Interior uses only and protected from exposure to sunlight
- Selective use in extreme temperatures (beyond 130°C) and humidity for prolonged periods
- directly bonding on concrete wall, gypsum board partitions, plaster (limited use)
- Use as structural material (since it is not self-supporting)
- The product surface is built to meet the dry erase and wipe by using a chalk

Note: Whereas Greenlam products are manufactured to thorough standards, the nature of the application procedure is beyond our control. The values given above are to the best of knowledge but without liability/warranty, expressed or implied.