

TECHNICAL DATA SHEET
GREENLAM MARKER GRADE LAMINATE
THICKNESS: 0.80MM

Data Sheet Ref: GIL-TDS-L-EN-012
Dated: January 16, 2019
Revision: 03

Sr. No.	PROPERTIES	TEST STANDARD	UNIT	SPECIFIED VALUES	GRENLAM VALUES
1	Classification	EN 438: Part 2: 2016		Marker Grade, Type S-VGS	
PHYSICAL & DIMENSIONAL PROPERTIES					
2	Nominal Thickness		mm	0.80	
3	Thickness variation	EN 438-2 – 5	mm	0.80 ± 0.10	Conforms
4	Tolerance on Length	EN 438-2 – 6	mm	+10, -Nil	Conforms
5	Tolerance on Width	EN 438-2 – 6	mm	+10, -Nil	Conforms
6	Flatness	EN 438-2 – 9	mm/M	60.0 (max)	≤ 50
7	Straightness of edges	EN 438-2 – 7	mm/m	1.5 (max.)	Conforms
8	Squareness	EN 438-2 – 8	mm/m	1.5 (max.)	Conforms
9	Density	EN ISO 1183 -1 :2004	gram/cm ³	1.35(min.)	Conforms
10	Dimensional Stability at Elevated Temperatures				
	Longitudinal Direction	EN 438-2 - 17	%	0.75 (max.)	Conforms
	Transverse Direction		%	1.25 (max.)	Conforms
MECHANICAL PROPERTIES					
11	Resistance to Immersion in Boiling Water				
	Appearance	EN 438-2 - 12	Grade	Not worse than 3	Conforms
12	Resistance to Impact by Small Diameter Ball				
	Spring Force	EN 438-2 - 20	N	15.0 (min.)	Conforms
13	Resistance to Cracking	EN 438-2 - 23	Grade	Not worse than 4	Conforms
	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					
14	Resistance to Scratching	EN 438-2 - 25	N	1 (min.)	2 (min)
15	Resistance to Dry Heat (160 °C)	EN 438-2 - 16	Grade	Not worse than 3	Conforms
16	Resistance to Wet Heat (100 °C)	EN 438-2 - 18	Grade	Not worse than 3	Conforms
17	Resistant to Water Vapour	EN 438-2 - 14	Grade	Not worse than 3	Conforms
18	Resistance to Surface Wear	EN 438-2 - 10	Rev. (I.P.)	50 (min.)	150
19	Resistance to staining				
	Group 1 & 2	EN 438-2 - 26	Grade	Not worse than 5	Conforms
	Group 3		Grade	Not worse than 4	Conforms
20	Light fastness (xenon arc)				
	In Xenon Arc Lamp	EN 438-2 - 27	Grev 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 a structural material (since it is not self-supporting)
- The product surface is built to meet the dry erase and wipe by using a non-permanent ink marker

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.