

# Technical Specifications

## TECHNICAL SPECIFICATION FOR GREENLAM HD GLOSS HPL- 1.0mm

S. No.	PROPERTIES	TEST METHOD AS PER BS EN 438 PART 2 & 3: 2016	UNIT	SPECIFIED VALUES	GREENLAM HD GLOSS VALUES
1	Classification	EN 438-3.5.3		<b>HGS</b>	
2	Thickness	EN 438-3 - 6.3	mm	1.00	0.95-1.06
	Thickness Variation		mm (max.)	± 0.10	± 0.06
3	Length & Width		mm	+10mm; -Nil	Conforms
4	Edges Squareness		mm/M	Deviation 1.5 (max.)	Conforms
5	Edges Straightness		mm/M	Deviation 1.5 (max.)	Conforms
6	Flatness		mm/M	Deviation 60 (max.)	Conforms
7	Resistance to Surface Wear, Initial Point		EN 438-2 - 10	Rev. (min.)	150
8	Resistance to Impact with Small Diameter Ball	EN 438-2 - 20	N (min.)	20	25
9	Resistance to Scratching	EN 438-2 - 25	Rating (min.)	3	≥ 4
10	Dimensional Stability at Elevated Temperatures	EN 438-2 - 17			
	Machine Direction		% (max.)	0.55	0.25
	Cross Direction		% (max.)	1.05	0.45
11	Resistance to Immersion in Boiling Water	EN 438-2 - 12	Rating (min.) Appearance	For Gloss Finish - 3	≥ 3
12	Resistance to Dry Heat at 160° C	EN 438-2 - 16	Rating (min.) Appearance	For Gloss Finish - 3	≥ 4
13	Resistance to Stains	EN 438-2 - 26			
	Group 1 & 2		Rating (min.) Appearance	5	5
	Group 3		Rating (min.) Appearance	4	≥ 4
14	Resistance to Water Vapour	EN 438-2 - 14	Rating (min.) Appearance	For Gloss Finish - 3	≥ 3
15	Resistance to Wet Heat at 100° C	EN 438-2 - 18	Rating (min.) Appearance	For Gloss Finish - 3	≥ 3
16	Light Fastness (Xenon-Arc Light)	EN 438-2 - 27	Rating (min.) Contrast	4 to 5	≥ 5
17	Density	EN ISO 1183 -1	g/cm <sup>3</sup> (min.)	1.35	1.40

**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.