

Technical Specifications

Product: Greenlam Exterior Clad 1.30M x 3.05M x 6.0 mm

S. NO.	PERFORMANCE PROPERTIES	TEST CLAUSE NO. AS PER EN 438-2 :2016	UNIT	SPECIFIED VALUES AS PER EN 438- 6 :2016	GREENLAM CLADS VALUE
Product Classification			Grade EDF		Conforms
1.1	Thickness	EN 438-2: 5	mm	6.0 ± 0.40	6.00± 0.30
1.2	Flatness of Panel	EN 438-2: 9	mm/M	Max. 5.0mm/ M	3.0 (max.)
1.3	Length & Width of Panel	EN 438-2: 6	mm	+10 mm/-Nil	+ 5.0
1.4	Straightness of Edges	EN 438-2: 7	mm/M	1.50 Max. deviation	1.00 Max. deviation
1.5	Squareness	EN 438-2: 8	mm/M	1.50 Max. deviation	1.00 Max. deviation
2	Resistance to Impact by Large Diameter Ball (Shatter Resistance)	EN 438-2-21	mm	1800 mm (Drop Height)	2000 (Drop Height)
	Dimensional Stability at Elevated Temperature	EN 438-2: 17			
3.1	a) Longitudinal		%	0.30(max.)	0.15
3.2	b) Transverse		%	0.60 (max.)	0.29
4	Panel Surface Visibility	EN 438-2: 5.2.4.2	Dirt, spots, any similar surface defects	≤ 2 mm ² /m ²	Complies
			Fiber, hair, scratches & similar surface defects	≤ 20 mm/m ²	Complies
5	Flexural Modulus	EN ISO 178: 2003	Mpa	9000 (min.)	9500
6	Flexural Strength	EN ISO 178: 2003	Mpa	80 (min.)	90
7	Density	EN ISO 1183-1: 2004	g/cm ³ (min.)	1.35 (min.)	1.40 ± 0.05
8	Resistance to Wet Conditions, Increase in Mass	EN 438-2: 15	Increase in Mass	8% (max.)	4.1
			Appearance • Surface Rating • Edge Rating	4 (min.) 3 (min.)	5 3

LIGHT FASTNESS AND WEATHER RESISTANCE

1	Resistance to Artificial Weathering including Light Fastness, after 650 MJ/M ² Radiant Exposure	Contrast	EN 438 - 2 - 29	Grey Scale Rating	Not worse than 3	3~4
		Appearance	EN 438 - 2 - 29	Rating	Minimum 4	4~5
2	Resistance to UV Light, after 1500 hours Exposure	Contrast	EN 438 - 2 - 28	Grey Scale Rating	Not worse than 3	3~4
		Appearance	EN 438 - 2 - 28	Rating	Rating Minimum 4	4~5
3	Resistance to Climatic Shock	EN 438 - 2 : 19	Index Ds (min)	0.95	≥ 0.95	
			Index Dm (min)	0.95	≥ 0.95	
			Rating (min)	4	≥ 4	

FIRE PERFORMANCE PROPERTIES

S. NO.	PERFORMANCE PROPERTIES	TEST STANDARD	UNIT	PERFORMANCE LEVELS	GREENLAM CLADS VALUE
1	Reaction to Fire	Classification standards EN 13501-1 : 2007 Tested according to EN 13823:2010 & EN 11925-2 :2010	Euro Class	Classification t≥ 10mm	B-S1,d0