

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 ± 0.30	10.00± 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 Minimum 3 Minimum	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