

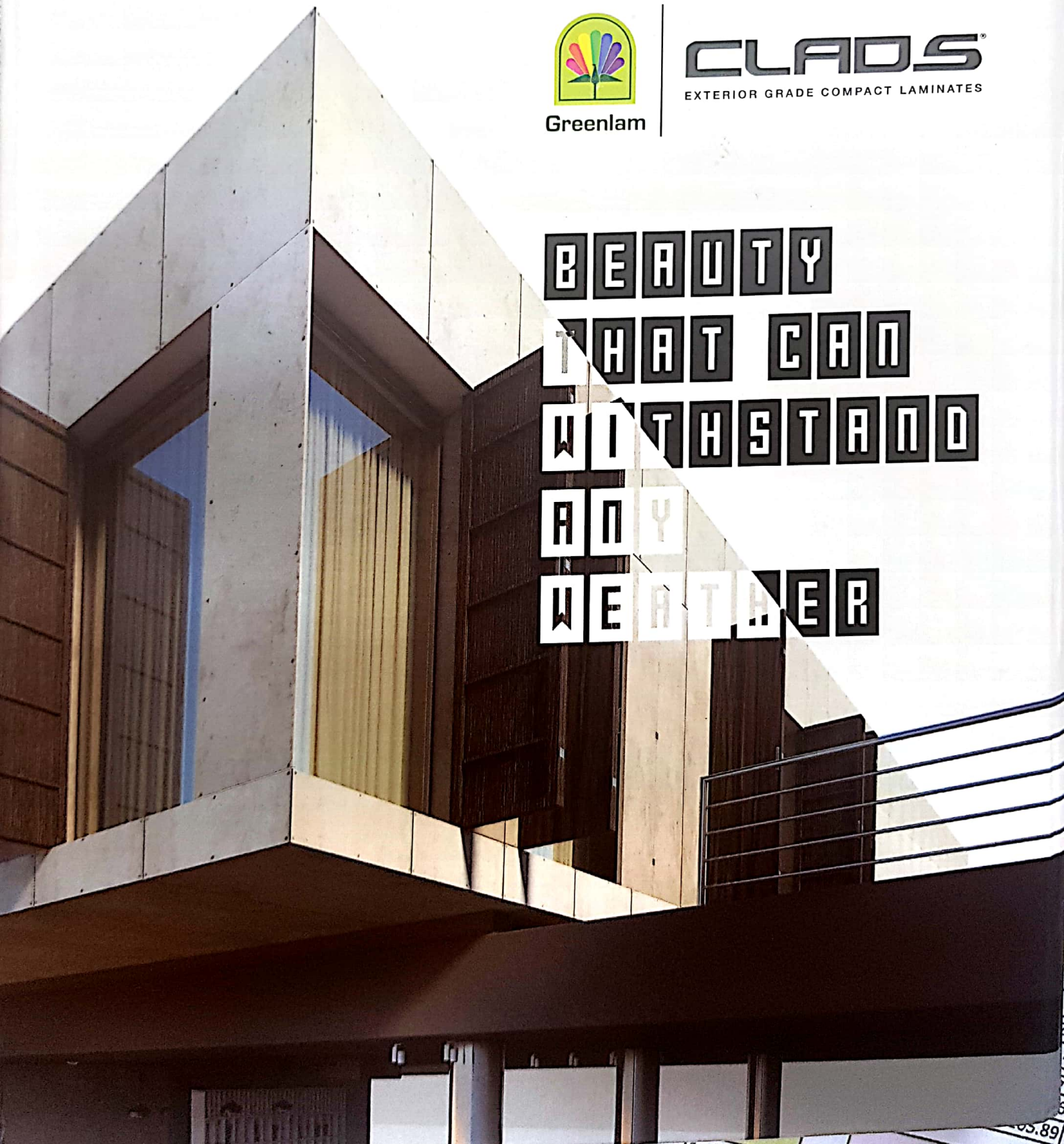


Greenlam

CLADS

EXTERIOR GRADE COMPACT LAMINATES

**BEAUTY
THAT CAN
WITHSTAND
ANY
WEATHER**



ENHANCE YOUR EXTERIORS



Excellent light fastness property with 3 layers of UV protection



Fire retardant



Anti-graffiti



Can withstand extreme temperature conditions from -60°C to +80°C



Environment-friendly green DNA with no urea content



Chemical resistant



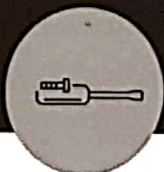
Saves up to 30% energy



Exclusive range



Backed with trained & certified fabricators



Complementing hardware (rivets)



Leading choice of people in over 100 countries



Quick delivery with strong sales and distribution network



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9209

RUSSET STEIN
ABSTRACTS

Clads samples and Clads panels are produced within specific tolerances. Samples are not representative for size, thickness and edge finishings of production panels. For more information see greenlamclads.com.



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9207

HARBOUR
ABSTRACTS

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GREENLAM GROUP COMPANY LIMITED

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9201

PREMIO
ABSTRACTS

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CLADS
EXTENSIVE RANGE OF CLADDING SOLUTIONS

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9203

CEMENTRIO
ABSTRACTS

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EXTERIOR FACADE CONTRACT LIMITED

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9204

METROPOLITAN
ABSTRACTS

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9115

NEVADA ELM
WOODGRAINS

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9113

ICELANDIC OAK
WOODGRAINS

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EXTERIOR GRADE CONTACT LAMINATE

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9114

OREGON OAK
WOODGRAINS

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ADVANCED GREEN COMPOSITE LAMINATE

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9102

INNATE WENGE
WOODGRAINS

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9111

NOVACENTO PINE
WOODGRAINS

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9104

ENIGMA
WOODGRAINS

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9110

PURE WALNUT
WOODGRAINS

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9112

TRUSTED TEAK
WOODGRAINS

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CLADS
GREEN LAM CLADS CANADA

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9106

CORAL STREAK
WOODGRAINS

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CLADDED SURFACE COMPANY LIMITED

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9105

CARAMEL STREAK
WOODGRAINS

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9107

LORRAINE WALNUT
WOODGRAINS

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CLADS
OUTDOOR GRADES ENGINEERED LAMINATES

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9101

HEATHER PINE
WOODGRAINS

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9108

ARCH WOOD
WOODGRAINS

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CLADS
ADVANCED GLASS COMPOSITE LAMINATE

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9109

SNAKE WOOD
WOODGRAINS

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9103

SMOLDERED WOOD
WOODGRAINS

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CLADS
ADVANCED GREEN GLASS FIBER LAMINATES



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9275

VERMILION RED
SOLIDS

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CLADS
EXTERIOR GRADE GREENGLASS LAMINATES

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9272

OYSTER
SOLIDS

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EXTERIOR GRADE COMPOSITE LAMINATE

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9273

MURKY GREY
SOLIDS

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CLADS
CLAYED LAMINATED ALUMINUM SYSTEMS

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9271

CLEAR WHITE
SOLIDS

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9274

CHOCO BROWN
SOLIDS

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TECHNICAL SPECIFICATIONS FOR EXTERIOR GRADE COMPACT LAMINATES GREENLAM CLADS

Product: Greenlam Exterior Clad 1.30M x 3.05M

S. No.	Performances Properties	Test Clause No. as per EN 438-2 :2016	Unit	Specified values as per EN 438- 6 :2016	GREENLAM CLADS VALUE	Specified values as per EN 438- 6 :2016	GREENLAM CLADS VALUE
Product classification				Grade EDF	Conforms	Grade EDF	Conforms
1.1	Thickness	EN 438-2: 5	mm	6.0 ± 0.40	6.0± 0.30	10.0 ± 0.50	10.00± 0.35
1.2	Flatness of Panel	EN 438-2 : 9	mm/M	max 5.0mm/ M	3.0 max	max 5.0mm/ M	3.0 max
1.3	Length & Width of Panel	EN 438-2 : 6	mm	+10 mm/-Nil	+ 5.0	+10 mm/-Nil	+ 5.0
1.4	Straightness of Edges	EN 438-2 : 7	mm/M	1.5	1	1.5	1
				Max deviation	Max. deviation	Max deviation	Max. deviation
1.5	Squareness	EN 438-2 : 8	mm/M	1.5	1	1.5	1
				Max deviation	Max. deviation	Max deviation	Max. deviation
2	Resistance to Impact by Large Diameter Ball (Shatter resistance)	EN 438-2 - 21	mm	1800 mm	2000	1800 mm	2000
				(Drop Height)	(Drop Height)	(Drop Height)	(Drop Height)
3	Dimensional Stability at Elevated Temperature	EN 438-2 : 17					
3.1	a) Longitudinal		%	0.30 (max.)	0.15	0.30 (max.)	0.13
3.2	b) Transverse		%	0.60 (max)	0.29	0.60 (max)	0.25
4	Panel Surface Visibility	EN 438-2 :5.2.4.2	Dirt, spots, any similar surface defects	≤ 2 mm ² /m ²	Complies	≤ 2 mm ² /m ²	Complies
			Fiber, hair, scratches & similar surface defects	≤ 20 mm/m ²	Complies	≤ 20 mm/m ²	Complies
5	Flexural Modulus	EN ISO 178:2003	Mpa	9000 (min.)	9500	9000 (min.)	9500
6	Flexural Strength	EN ISO 178:2003	Mpa	80 (min.)	90	80 (min.)	90
7	Density	EN ISO 1183 :12004	g/cm ³ (min)	1.35 (min.)	1.40 ± 0.05	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	8% (max.)	4.1
			Appearance,				
			• Surface Rating	4 Minimum	5	4 Minimum	5
			• Edge Rating	3 Minimum	3	3 Minimum	3

LIGHT FASTNESS AND WEATHER RESISTANCE					
Resistance to artificial weathering including light fastness, after 650 MJ/M ² Radiant exposure	EN 438-2-29	Contrast	Grey Scale Rating	Not worse than 3	3-4
	EN 438-2-29	Appearance	Rating	minimum 4	4-5
Resistance to UV Light, after 1500 hours exposure	EN 438-2-28	Contrast	Grey Scale Rating	Not worse than 3	3-4
	EN 438-2-28	Appearance	Rating	Rating minimum 4	4-5
Resistance to climatic shock	EN 438-2 : 19		Index Ds (min)	≥ 0.80	≥ 0.95
			Index Dm (min)	≥ 0.80	≥ 0.95
			Rating (min)	≥ 4	≥ 4

FIRE PERFORMANCE PROPERTIES					
S. No.	Performance Property	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	For Thickness ≥ 6.0 mm- B-S2,d, minimum	B-S1,d0 Superior