



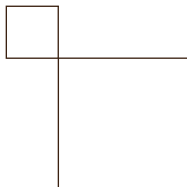
COMPACT LAMINATE

COLLECTION 2010





AS SOLID AS IT LOOKS



As Asia's leading manufacturer of high pressure laminates, GREENLAM® is expanding its offerings for your every need. Durable and decorative, GREENLAM® Compact Laminates are just the right choice to build your ideal interior. These reinforced laminates are self-supporting, which means they can be used across a range of applications. They also come in a wide range of spectacular colours to suit your fancy.

WHAT MAKES LAMINATES COMPACT

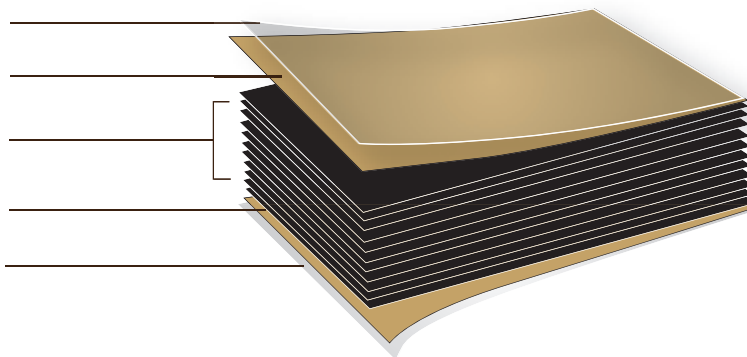
Decorative surface papers are first soaked in melamine resins. Next, they are pressed over kraft paper core sheets. These are then bound together with thermosetting resins, to be cured at a pressure of 9Mpa and temperature of 150°C. The finished sheets are finally trimmed and the GREENLAM® Compact Laminates are ready for use.

Tissue overlay (for print decors)
soaked in melamine resins
Solid or print design paper layers
soaked in melamine resins

Jet black colour kraft paper layers
soaked in phenolic resins

Solid or print design paper layers
soaked in melamine resins

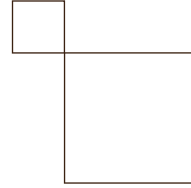
Tissue overlay (for print decors)
soaked in melamine resins



Featured Compact:
GWC 749 Sapele



Featured Compact:
GSC 124 Mysore Ivory



GETTING THE MOST OUT OF COMPACT LAMINATES

Engineered to meet special requirements, GREENLAM® Compact Laminates boast of superior qualities. Take for example, its exceptional self-supporting properties and its enhanced stability. Or how it's abrasion-resistant, water-resistant and fire-resistant. At the same time, it's also resistant to harmful chemicals and organic solvents. Plus, it emits low levels of harmful gases and fumes. The best part? All these wonderful qualities are available in GREENGUARD standard thicknesses ranging from 2mm to 18mm*.

* Other thicknesses available upon request.

HOW COMPACT LAMINATES CAN BE USED



File Lockers



Desks



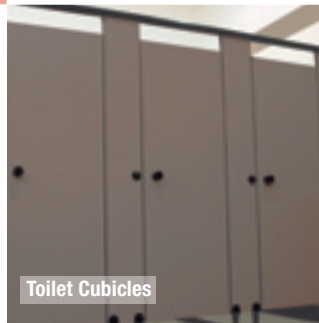
Shelves



Table Tops



Kitchen Tops



Toilet Cubicles



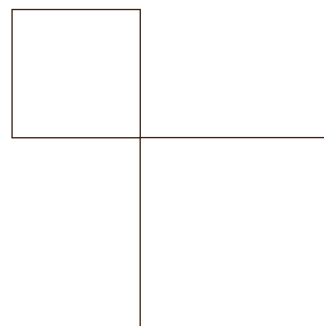
GREENLAM® Compact Laminates are ideal for both horizontal and vertical surfaces that need to be functional, durable and decorative. They are typically used in kitchen tops, desks, doors, wall cladding partitions, changing rooms, toilet cubicles, table tops, shelves and lockers, but the possibilities don't just stop there. In fact, all our laminates are GREENGUARD Children and Schools certified, which means they're good to be used in schools, daycare and healthcare facilities. Easy to assemble with no edging or adhesive needed, compact laminates offer simple, stylish solutions for everyday life.



Featured Compact:
GWC 682 Hiland Pine

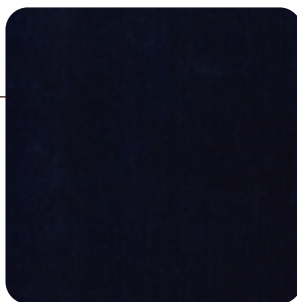
THE FINISHING TOUCH

All our compact laminates come in two different finishes – raw silk or suede. Whether you're going for a smooth surface or a more tactile texture, your choice of finishes can easily be applied across our wide selection of designs.





Solid Suede



Solid Raw Silk



Woodgrain Suede



Woodgrain Raw Silk

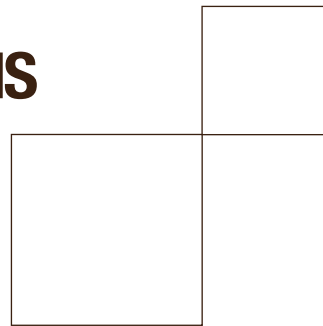
**THE
FINISHING
TOUCH**

Sizes available: 6' x 6', 6' x 12', 5' x 12' and 4' x 8'



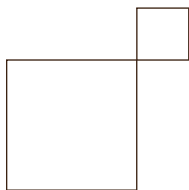
WOODGRAINS, SOLIDS AND PATTERNS

With exotic grains and earthy shades, our Woodgrains add warmth and subtle details to any room. If it's something simple you're after, take your pick from our Solids that go back to the basics. Or simply give your space some character with the help of a Pattern.





Featured Compact:
GWE 5525 Hickory Oak



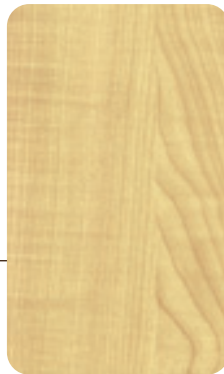
WOODGRAINS COLLECTION



GWC 682
Hiland Pine



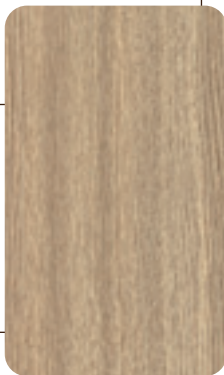
GWC 770
Douglas Fur



GWC 5006
Thansau Maple



GWA 719
Mangfall Breech



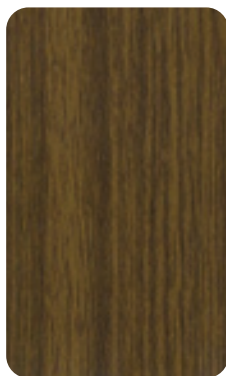
GWA 738
Oak

WOODGRAINS

Sizes available: 6' x 6', 6' x 12', 5' x 12' and 4' x 8'



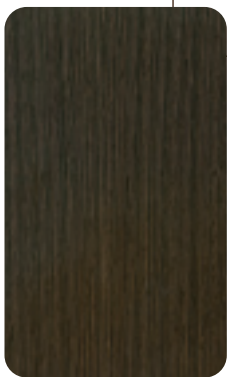
GWC 5003
Philippines Teak



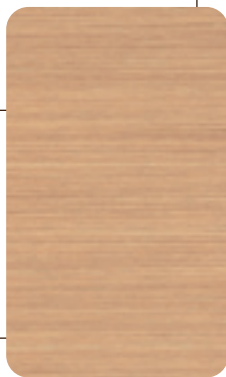
GWC 5018
Brooks Walnut



GWC 749
Sapele



GWE 5061
Fine Wenge

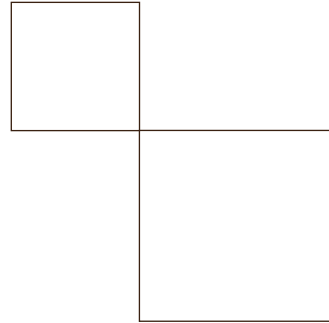


GWE 5525
Hickory Oak

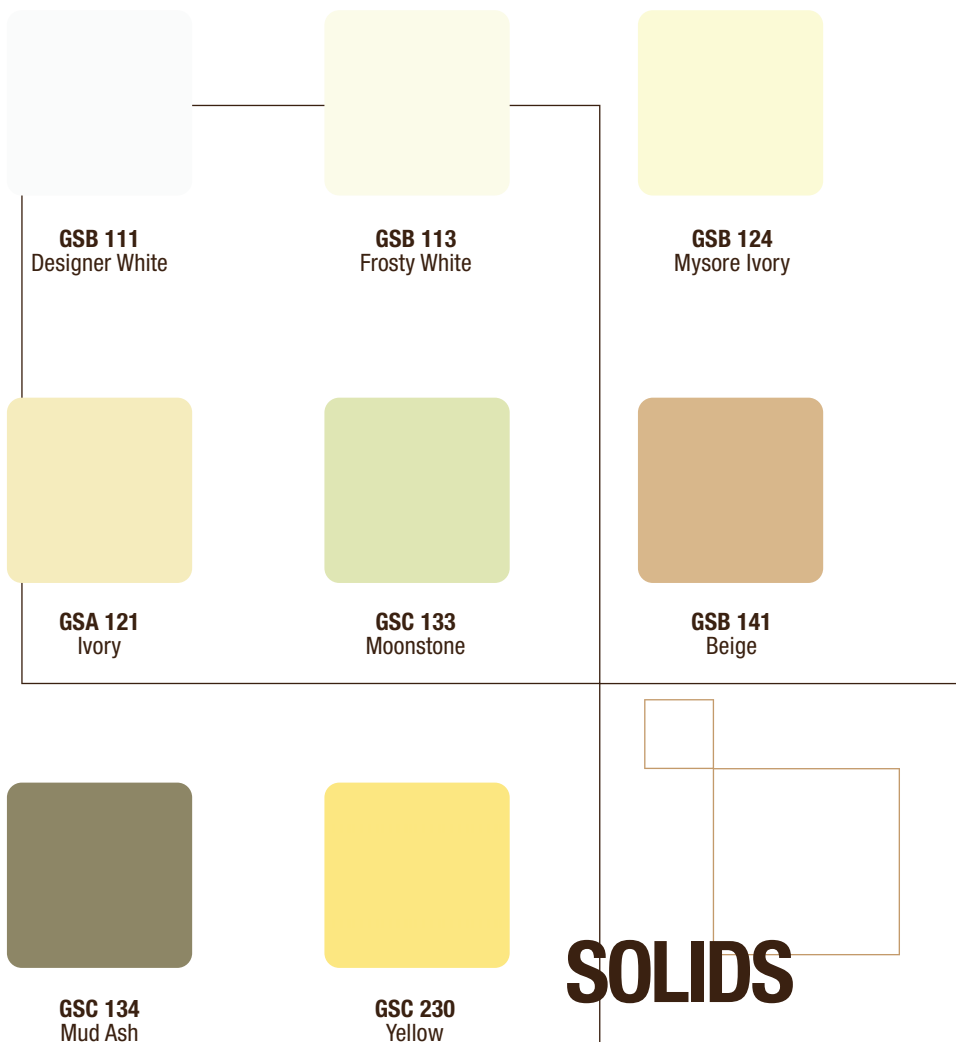
WOODGRAINS

Sizes available: 6' x 6', 6' x 12', 5' x 12' and 4' x 8'

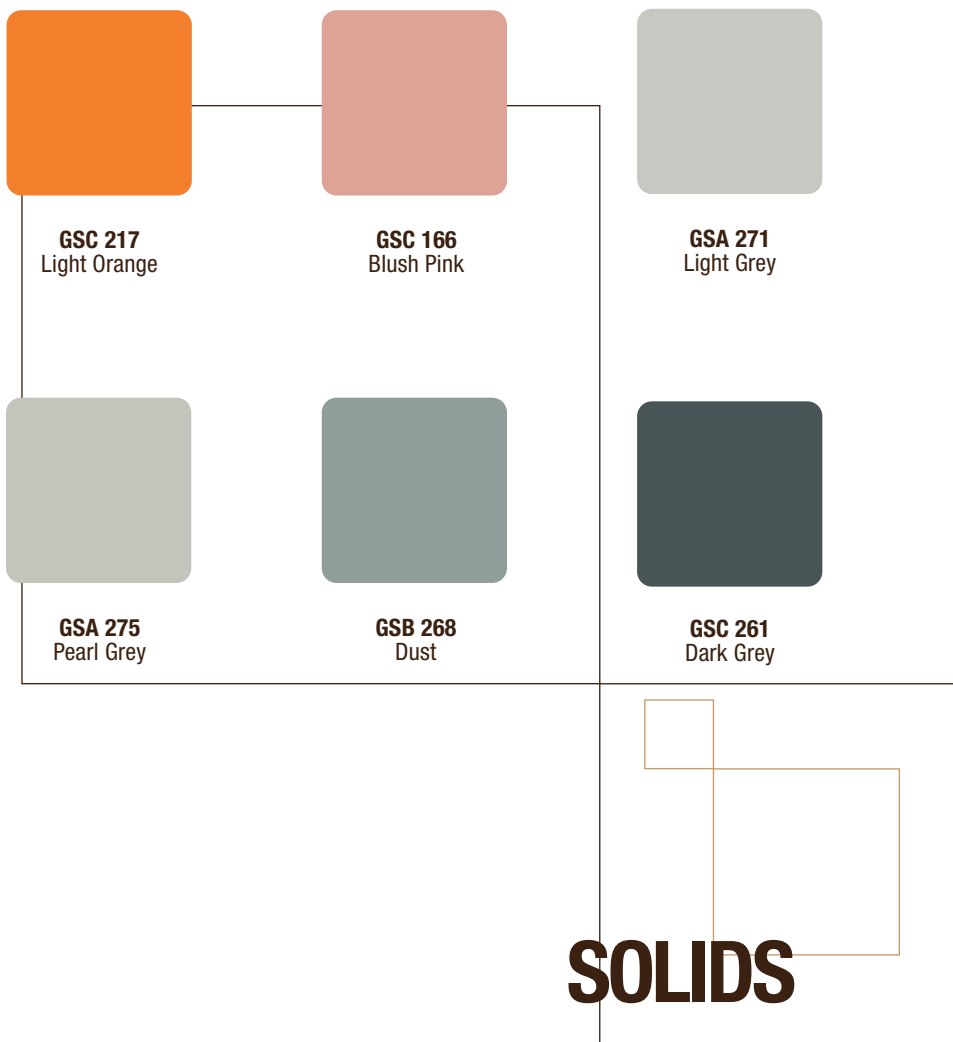
SOLIDS COLLECTION



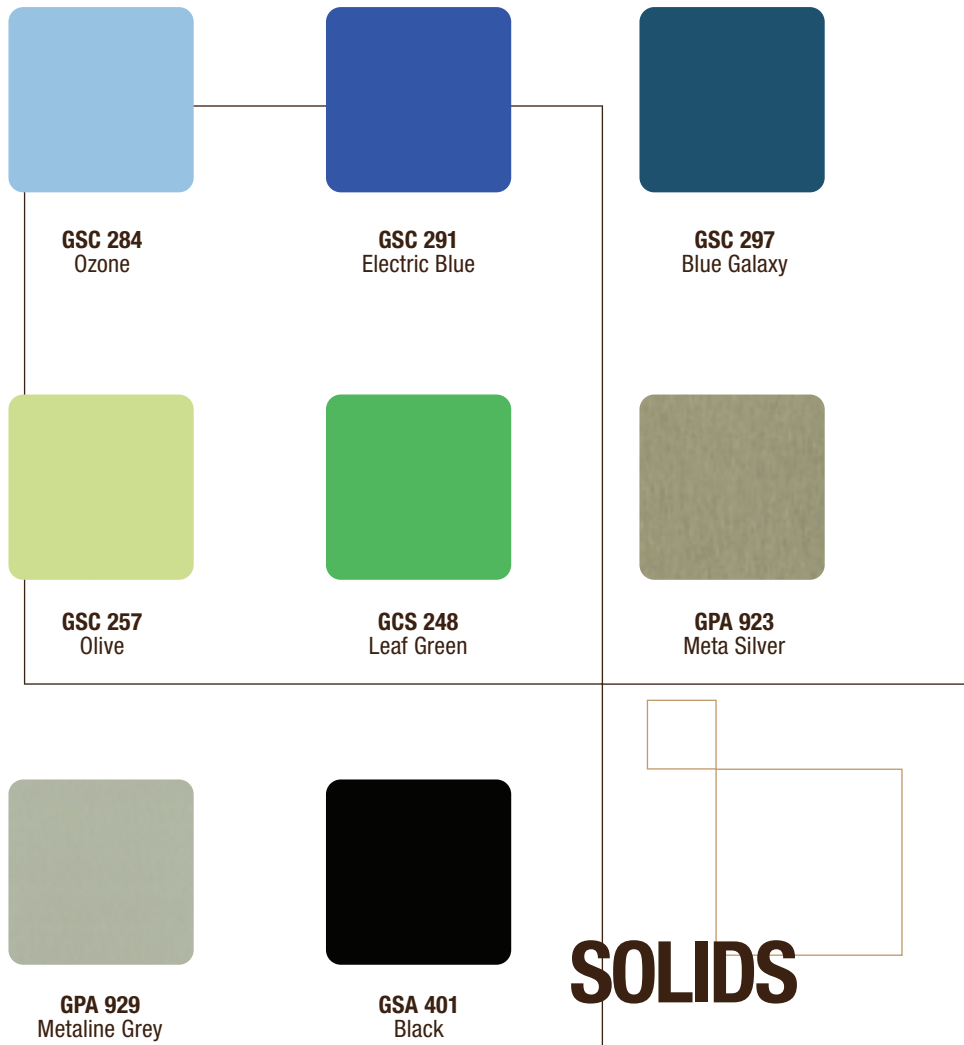
Featured Compact:
GSC 261 Dark Grey



Sizes available: 6' x 6', 6' x 12', 5' x 12' and 4' x 8'

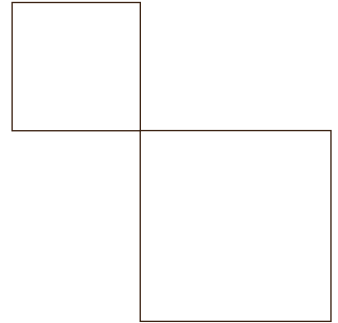


Sizes available: 6' x 6', 6' x 12', 5' x 12' and 4' x 8'



Sizes available: 6' x 6', 6' x 12', 5' x 12' and 4' x 8'

PATTERNS COLLECTION

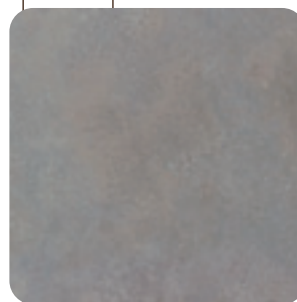


Featured Compact:
GFA 5853 Alu Taint





Featured Compact:
GFA 5853 Alu Taint



GFA 5853
Alu Taint

PATTERNS

Sizes available: 6' x 6', 6' x 12', 5' x 12' and 4' x 8'

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Technical Specifications

NO.	PROPERTIES	UNIT	4mm		6mm	
			Specified Values As Per DIN EN 438, BSEN 438 & IS 2046: 1995	GREENLAM® TYPICAL VALUE	Specified Values As Per DIN EN 438, BSEN 438 & IS 2046: 1995	GREENLAM® TYPICAL VALUE
1	Thickness Thickness tolerance	mm	4.0 ± 0.30 As agreed	4.0 ± 0.20	6.0 ± 0.35 As agreed	6.0 ± 0.20
2	Resistance to dry heat at 180°C	Grade	Not worse than 4	5	Not worse than 4	5
3	Resistance to surface water	Rev.	350 (Min.)	400	350 (Min.)	400
4	Resistance to immersion in boiling water					
	a) Mass increase	%	2.0 (Max.)	0.60	2.0 (Max.)	0.55
	b) Thickness	%	2.0 (Max.)	0.80	2.0 (Max.)	0.72
	c) Appearance	Grade	Not worse than 4	5	Not worse than 4	5
5	Dimensional stability at deviated temperature					
	a) Longitudinal	%	0.06 (Max.)	0.04	0.06 (Max.)	0.03
	b) Transverse	%	0.53 (Max.)	0.20	0.53 (Max.)	0.15
6	Dimensional stability at 20°C					
	a) Longitudinal	%	0.16 (Max.)	0.12	0.16 (Max.)	0.10
	b) Transverse	%	0.28 (Max.)	0.20	0.28 (Max.)	0.15
7	Resistance to impact by large diameter ball					
	a) Drop height	cm	Under consideration	200	Under consideration	200
	b) Diameter of indentation	mm		4	10 (Max.)	4
8	Resistance to scratch	N	2.0 (Min.)	2.50	2.0 (Max.)	2.50
9	Resistance to staining					
	a) Group 1 & 2	Grade	Not worse than 5	6	Not worse than 5	6
	b) Group 3 & 4	Grade	Not worse than 4	5	Not worse than 4	5
10	Resistance to colour change					
	a) In Xerox Arc Light	Grade	Not worse than 6	6	Not worse than 6	6
	b) In enclosed Carbon Arc Light	Grade	Not worse than 5	5	Not worse than 5	5
11	Resistance to cigarette burns	Grade	Not worse than 3	4	Not worse than 3	4
12	Resistance to steam	Grade	Not worse than 4	5	Not worse than 4	5
13	Resistance to crazing	Grade	Not worse than 4	5	Not worse than 4	5
14	Resistance to moisture	Grade	Not worse than 4	5	Not worse than 4	5
15	Flexural modulus	Mpa	10000 (Min.)	11000 - 12000	10000 (Min.)	11000 - 12000
16	Flexural strength	Mpa	100 (Min.)	100 - 120	100 (Min.)	100 - 120
17	Tensile strength	Mpa	70 (Min.)	80 - 90	70 (Min.)	80 - 90

Technical Specifications

NO.	PROPERTIES	UNIT	9mm		12mm	
			Specified Values As Per DIN EN 438, BSEN 438 & IS 2046: 1995	GREENLAM® TYPICAL VALUE	Specified Values As Per DIN EN 438, BSEN 438 & IS 2046: 1995	GREENLAM® TYPICAL VALUE
1	Thickness Thickness tolerance	mm	9.0 ± 0.35 As agreed	9.0 ± 0.25	12.0 ± 0.5 As agreed	
2	Resistance to dry heat at 180°C	Grade	Not worse than 4	5	Not worse than 4	5
3	Resistance to surface water	Rev.	350 (Min.)	400	35(Min.)	400
4	Resistance to immersion in boiling water					
	a) Mass increase	%	2.0 (Max.)	0.48	2.0 (Max.)	0.50
	b) Thickness	%	2.0 (Max.)	0.70	2.0 (Max.)	0.70
	c) Appearance	Grade	Not worse than 4	5	Not worse than 4	5
5	Dimensional stability at deviated temperature					
	a) Longitudinal	%	0.06 (Max.)	0.33	0.06 (Max.)	0.03
	b) Transverse	%	0.53 (Max.)	0.14	0.53 (Max.)	0.12
6	Dimensional stability at 20°C					
	a) Longitudinal	%	0.16 (Max.)	0.10	0.16 (Max.)	0.08
	b) Transverse	%	0.28 (Max.)	0.14	0.28 (Max.)	0.13
7	Resistance to impact by large diameter ball					
	a) Drop height	cm	Under consideration	200	Under consideration	200
	b) Diameter of indentation	mm	10 (Max.)	4	10 (Max.)	2
8	Resistance to scratch	N	2.0 (Min.)	2.50	2.0 (Max.)	2.50
9	Resistance to staining					
	a) Group 1 & 2	Grade	Not worse than 5	6	Not worse than 5	6
	b) Group 3 & 4	Grade	Not worse than 4	5	Not worse than 4	5
10	Resistance to colour change					
	a) In Xerox Arc Light	Grade	Not worse than 6	6	Not worse than 6	6
	b) In enclosed Carbon Arc Light	Grade	Not worse than 5	5	Not worse than 5	5
11	Resistance to cigarette burns	Grade	Not worse than 3	4	Not worse than 3	4
12	Resistance to steam	Grade	Not worse than 4	5	Not worse than 4	5
13	Resistance to crazing	Grade	Not worse than 4	5	Not worse than 4	5
14	Resistance to moisture	Grade	Not worse than 4	5	Not worse than 4	5
15	Flexural modulus	Mpa	10000 (Min.)	11000 - 12000	10000 (Min.)	11000
16	Flexural strength	Mpa	100 (Min.)	100 - 120	100 (Min.)	120
17	Tensile strength	Mpa	70 (Min.)	80 - 90	70 (Min.)	90

Technical Specifications

NO. PROPERTIES		18mm		
		UNIT	Specified Values As Per DIN EN 438, BSEN 438 & IS 2046: 1995	GREENLAM® TYPICAL VALUE
1	Thickness Thickness tolerance	mm	18.0 As agreed	18.0 ± 0.45
2	Resistance to dry heat at 180°C	Grade	Not worse than 4	5
3	Resistance to surface water	Rev.	350 (Min.)	400
4	Resistance to immersion in boiling water			
	a) Mass increase	%	2.0 (Max.)	0.20
	b) Thickness	%	2.0 (Max.)	0.40
	c) Appearance	Grade	Not worse than 4	5
5	Dimensional stability at deviated temperature			
	a) Longitudinal	%	0.06 (Max.)	0.03
	b) Transverse	%	0.53 (Max.)	0.14
6	Dimensional stability at 20°C			
	a) Longitudinal	%	0.16 (Max.)	0.08
	b) Transverse	%	0.28 (Max.)	0.10
7	Resistance to impact by large diameter ball			
	a) Drop height	cm	Under consideration	220
	b) Diameter of indentation	mm	10 (Max.)	4
8	Resistance to scratch	N	2.0 (Min.)	2.5
9	Resistance to staining			
	a) Group 1 & 2	Grade	Not worse than 5	5
	b) Group 3 & 4	Grade	Not worse than 4	5
10	Resistance to colour change			
	a) In Xerox Arc Light	Grade	Not worse than 6	6
	b) In enclosed Carbon Arc Light	Grade	Not worse than 5	5
11	Resistance to cigarette burns	Grade	Not worse than 3	4
12	Resistance to steam	Grade	Not worse than 4	5
13	Resistance to crazing	Grade	Not worse than 4	5
14	Resistance to moisture	Grade	Not worse than 4	5
15	Flexural modulus	Mpa	10000 (Min.)	112000
16	Flexural strength	Mpa	100 (Min.)	120
17	Tensile strength	Mpa	70 (Min.)	90

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