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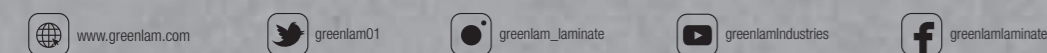
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Volume 1 September 2021



GREENLAM - SATIN COLLECTION



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the E-Catalogue

GREENLAM

SATIN

PREMIUM LAMINATES





Ever since its inception, Greenlam has been a hallmark of exceptional artistry and unbridled passion for innovation and takes pride in being the pioneer of trends in surface solutions across the globe. With two state-of-the-art manufacturing facilities, having a combined manufacturing capacity of 15.62 million laminate sheets per annum. Greenlam laminates stand tall as among the top 3 manufacturers in the world, A team of ~4500 employees and a network of over 14,000 partners in more than 100 countries ensures that its design concepts reach architects, interior designers and discerning end customers who demand the latest leading products to transform their spaces.

As a people and planet positive company, Greenlam is committed to the environment ensuring a minimal carbon footprint by ethically sourcing its raw material and carefully monitoring its systems. Its superior design, quality, systems and environmental commitment have been awarded the ISO 9001, ISO 14001, ISO 45001, GREENLABEL, GREENGUARD and FSC® certifications. Venturing beyond just a decorative piece of covering Greenlam's bespoke surfacing solutions encapsulates the visual drama that transforms any setting, lending a sense of advanced realism of the space through patterns and textures inspired by the marvels of the World, while staying true to its efforts to preserve nature in its pristine form.

Greenlam Laminates presents its remarkably elegant and premium Satin Collection. Its texture and feel evoke a sense of true luxury. What makes this collection truly special is its exclusive range of designs that are sure to add excitement to your interiors and leave you enthralled. Available in Woods, Patterns and Colours, these designs are the perfect way to make any surface look niche and premium. One touch of its silky and super matt finish, and you will agree there is simply no match to its captivating design and feel.

GREENLAM SATIN



ANTI-VIRUS

Greenlam Anti-Virus Laminates are durable, non-porous treated surface that has the potential to retard and kill upto 99.99%* of viruses that comes in contact with it. Now proven effective against SARS-CoV-2* virus making it world's 1st COVID – 19 resistant laminate.



ANTI-BACTERIAL

The entire range of Greenlam laminates has been treated with high-efficacy anti-microbial agents. These agents can curb the growth of nearly 99.99%*** of harmful bacteria.



NSF CERTIFICATION

Greenlam is the 1ST brand in Asia to hold an NSF (National Sanitation Foundation) Certification for High Pressure Laminate. All our products are certified as safe to be used on food-surfacing equipments such as work-tops & non-work tops.



HEALTH & ENVIRONMENT CERTIFICATION

Apart from GREENGUARD Standard and GREENLABEL Singapore, Greenlam holds the GREENGUARD GOLD certification as well. This means that our laminates have minimal emission of TVOC (Total Volatile Organic Compounds), and are suitable for use in environments such as school where children spend significant periods of time. Greenlam products are also FSC® certified. Ask for our FSC® Certified products.



10 YEAR WARRANTY

Greenlam offers 10 year warranty on all products against any manufacturing defect.



25 YEARS OF EXCELLENCE

We have never stopped envisioning, developing, measuring, and refining surfacing solutions to meet the needs of our customers and community. Our innovative and performance-driven surfacing solutions have brought us recognition for excellence and quality & we stand tall amongst the top 3 surfacing solutions brand in the world.

Disclaimer:

*"As per the test report SARS Cov-2 virus gets more than 99% retarded after 45 mins of the contact"

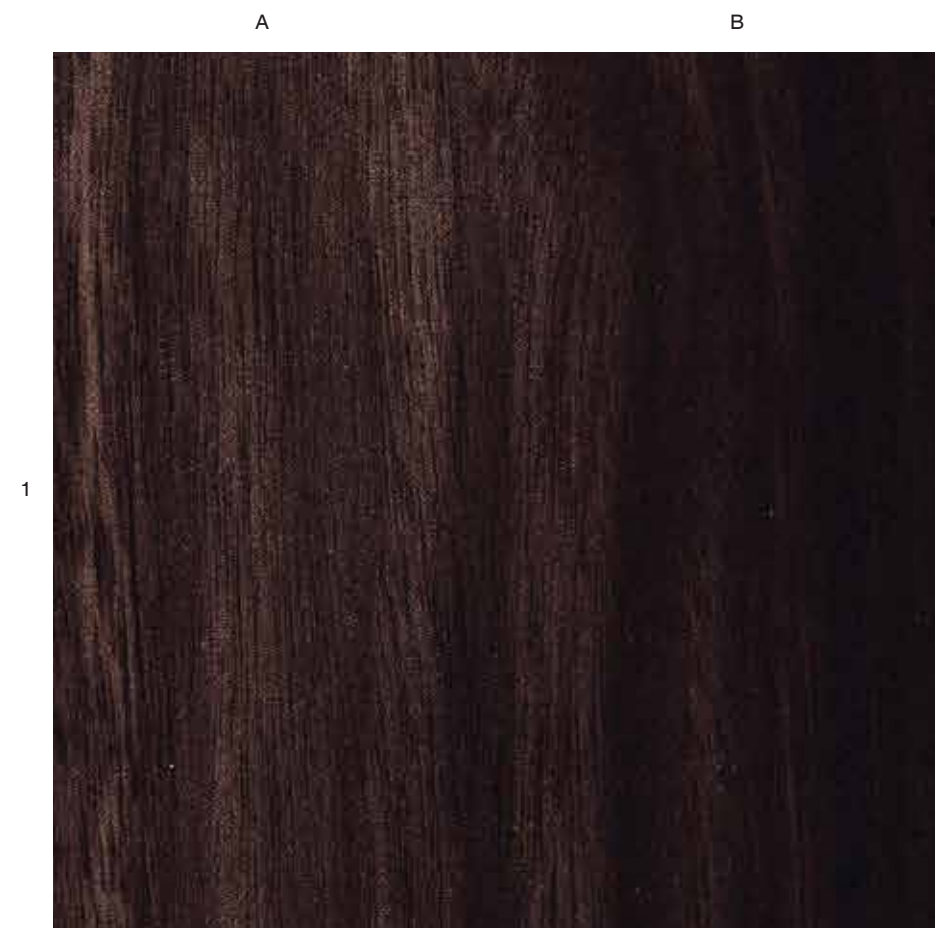
**"As per the test report virus gets 99.99% retarded in 24 hours of contact"

***"As per test report bacteria gets 99.99% retarded after 24 hours of contact"

WOODS



WOODS



P 10

5343 SAT
Liro Sap



P 10

5375 SAT
Saturno Walnut



P 10

5333 SAT
Nordic Walnut



P 10

5082 SAT
Louisiana Oak



P 10

5383 SAT
Chelsea Chestnut Anthracite



P 10

5379 SAT
Manor



P 10

5349 SAT
Austin Walnut



P 10

5376 SAT
Texas Rodeo



P 10

766 SAT
Rich Walnut



P 10

5078 SAT
Esoteric Oak



P 10

5378 SAT
Dandy Wood Anthracite



P 10

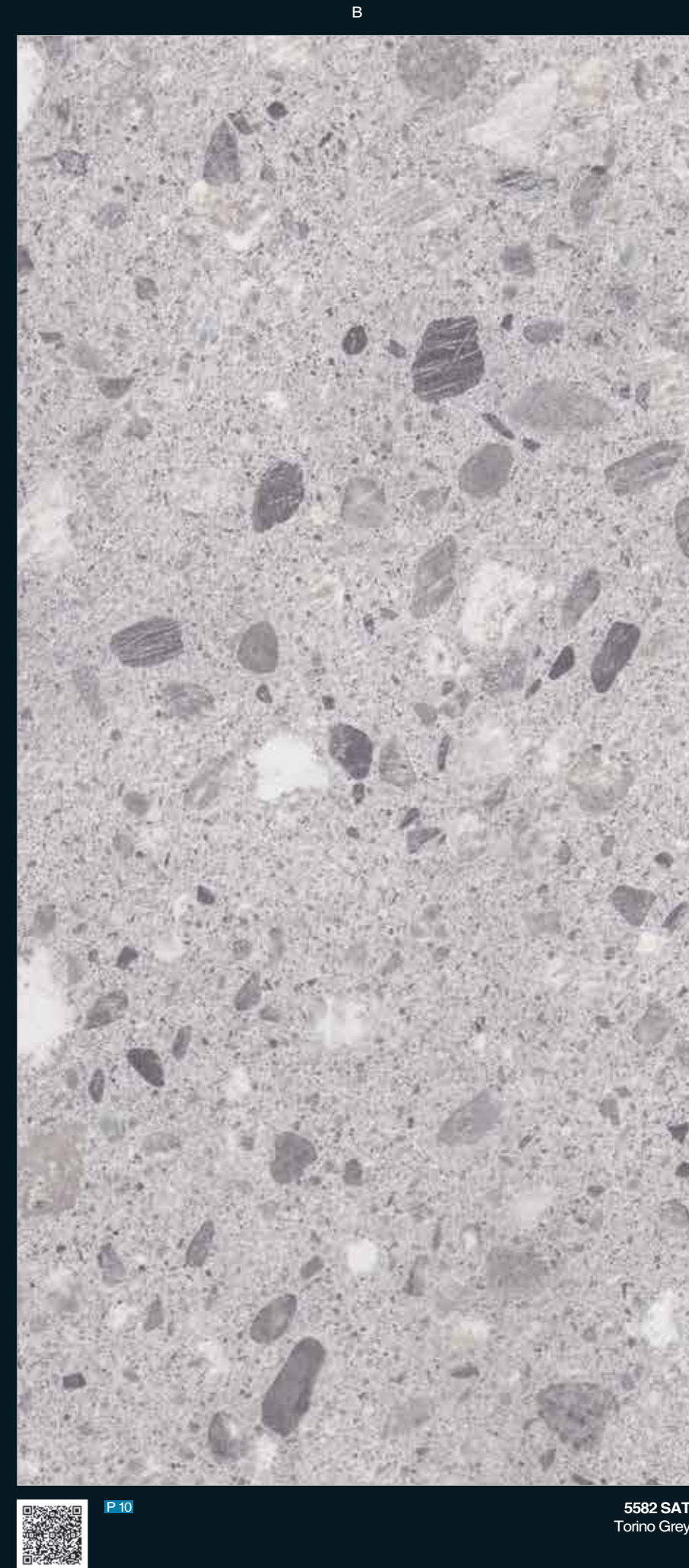
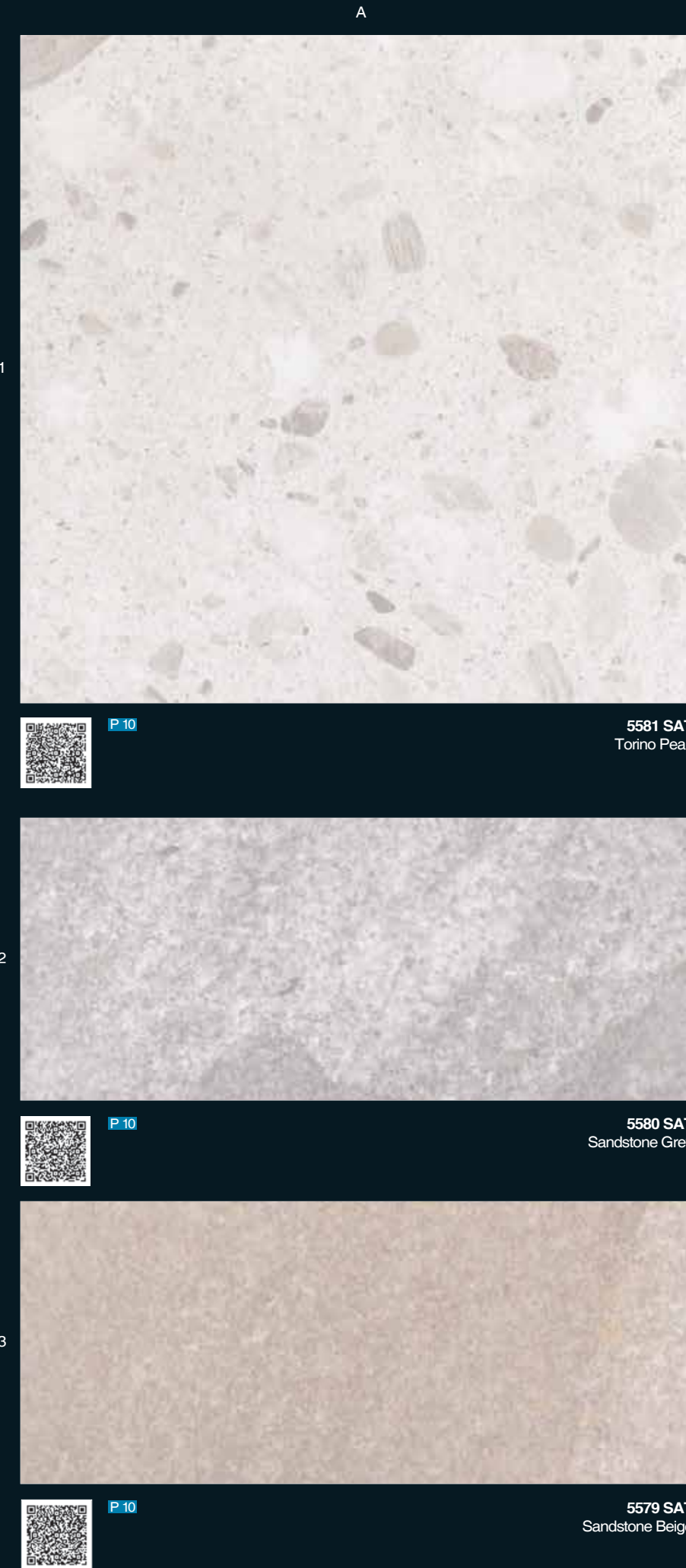
5377 SAT
Dandy Wood Taupe

P A T T E R N S



5582 SAT Torino Grey

PATTERNS





COLOURS

261 SAT Dark Grey

COLOURS

	A	B	C	D
1				
		124 SAT Mysore Ivory	111 SAT Designer White	271 SAT Light Grey
2				
	107 SAT Wool	272 SAT Cloud	266 SAT Ash Grey	261 SAT Dark Grey
3				
	132 SAT Cyclone	274 SAT Pine Nut		
4				
	146 SAT Oatmeal	181 SAT Chocolate		
		401 SAT Black		

	A	B	C	D
1				
		303 SAT Zephyr Blue	292 SAT Celestial Blue	291 SAT Electric Blue
2				
	296 SAT Fog	452 SAT Plum	454 SAT Purple	297 SAT Blue Galaxy
3				
	361 SAT Golf Green	245 SAT Dark Green		
		364 SAT Emerald		

COLOURS



TECHNICAL SPECIFICATIONS

S.No.	PROPERTIES	TEST STANDARD	UNIT	SPECIFIED VALUES	GREENLAM VALUES	SPECIFIED VALUES	GREENLAM VALUES
1	Classification & Test Protocol	IS 2046 : 1995			HGS, Thickness 1.0 mm		HGS, Thickness 1.5 mm
PHYSICAL & DIMENSIONAL PROPERTIES							
2	Nominal Thickness		mm	1.0		1.5	
3	Thickness Variation	Clause - 5.3	mm	1.0 ± 0.10	Conforms	1.5 ± 0.15	Conforms
4	Tolerance on Length	Clause - 5.4.6	mm	+10, -Nil	Conforms	+10, -Nil	Conforms
5	Tolerance on Width	Clause - 5.4.6	mm	+10, -Nil	Conforms	+10, -Nil	Conforms
6	Straightness of Edges	Clause - 5.4.7	mm/m	1.5 (max.)	Conforms	1.5 (max.)	Conforms
7	Squareness	Clause - 5.4.8	mm/m	1.5 (max.)	Conforms	1.5 (max.)	Conforms
8	Density	EN ISO 1183 -1:2004	kg/m ³	1360 - 1400	Conforms	1360 - 1400	Conforms
9 Dimensional Stability at Elevated Temperatures							
	Longitudinal Direction	Annex - F	%	0.55 (max.)	Conforms	0.44 (max.)	Conforms
	Transverse Direction	Annex - F	%	1.05 (max.)	Conforms	0.86 (max.)	Conforms
10 Dimensional Stability at 20°C							
	Longitudinal Direction	Annex - G	%	0.38 (max.)	Conforms	0.32 (max.)	Conforms
	Transverse Direction	Annex - G	%	0.60 (max.)	Conforms	0.48 (max.)	Conforms
MECHANICAL PROPERTIES							
11 Resistance to Immersion in Boiling Water							
	Mass Increase	Annex - D	%	10.0 (max.)	Conforms	7.5 (max.)	Conforms
	Thickness Increase	Annex - D	%	11.8 (max.)	Conforms	8.0 (max.)	Conforms
	Appearance	Annex - D	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
12 Resistance to Impact by Small Diameter Ball							
	Spring Force	Annex - H	N	20	Conforms	20	Conforms
13 Resistance to Cracking							
		Annex - K	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
SURFACE PROPERTIES							
14 Resistance to Scratching							
		Annex - L	N	2.0 (min.)	Conforms	2.0 (min.)	Conforms
15 Resistant to Steam							
		Annex - T	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
16 Resistance to Water Vapor							
		EN 438-2-14	Class	Not worse than 4	Conforms	Not worse than 4	Conforms
17 Resistance to Dry Heat at 180°C							
	Gloss Finish	Annex - E	Grade	Not worse than 3	Conforms	Not worse than 3	Conforms
	Other Finish	Annex - E	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
18 Resistance to Surface Wear							
		Annex - C	Rev.	350 (min.)	Conforms	350 (min.)	Conforms
19 Resistance to Cigarette Burns							
		Annex - P	Grade	Not worse than 3	Conforms	Not worse than 3	Conforms
20 Resistance to Staining							
	Group 1 & 2	Annex - M	Grade	Not worse than 5	Conforms	Not worse than 5	Conforms
	Group 3 & 4	Annex - M	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
21 Resistance to Colour Change							
	In Xenon Arc Lamp	Annex - N	Grade	Not worse than 6	Conforms	Not worse than 6	Conforms
HEALTH & ENVIRONMENTAL CHARACTERISTICS							
22 Food Safe							
		EN 13130-1	-	-	YES	-	YES
23 Contents' Migration as per Food Commission Regulation							
		EN 1186-1, 3 & 14: 2002	Migration		Migration of Simulants is less than maximum permitted by Regulation		
24 Formaldehyde Emission (release)							
		EN 16516-2017	ppm	0.1	0.02	0.1	0.02
25 Volatile Organic Compounds (VOC) Emission							
		ISO 16000-9	Class	-	A	-	A
		UL 2818 - 2013	Certification		GREENGUARD GOLD		
26 Anti-Viral Efficacy & Activity							
	% Reduction in 24 hours	ISO 21702-2019	%	95 (min.)	99.9 (min.)	95 (min.)	99.9 (min.)
	Activity after 24 hours		Log Reduction	2.0 (min.)	Exceeds	2.0 (min.)	Exceeds
27 Anti-Bacterial Efficacy & Activity							
	% Reduction in 24 hours	JIS 2801-2012	%	95.0 (min)	99.99	95.0 (min)	99.99
	Activity after 24 hours		Log Reduction	2.0 (min)	Exceeds	2.0 (min)	Exceeds
28 Anti-Fungus Efficacy							
	Growth after 28 days	ASTM G-21-2015	Class	1	0 (No Growth)	1	0 (No Growth)

Limited Warranty: Greenlam industries Limited (GREENLAM) warrants to the original buyer that GREENLAM HPL will be free of defects, under normal, proper and intended usage, within acceptable manufacturing specification, buyer's remedy in case of claims, as a result of defective HPL, shall be limited to only the replacement of HPL by GREENLAM.

Note: Application images shown in the catalogue are for illustration purpose only, please refer to the actual product sample for color and finish available. The samples shown here are only indicative of the colour patterns and finishes available. *Greenlam is available in 1.00mm Greenlam superJ is available in 1.5mm

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 *** "As per test report bacteria gets 99.99% retarded after 24 hours of contact"
 Greenlam provides FSC® Certified product (Certificate No. SCS-COC-003328), on request.

