



Technical Specifications

S. NO.	PROPERTIES		UNITS	REQUIREMENT AS PER IS 2046:1995	GREENLAM VALUES
	GRADE AND TYPE		GREENLAM POST-FORMING LAMINATES, TYPE P-VGP		
1	Thickness		mm	0.6 ± 0.1	Conforms
2	Resistance to Surface Wear		Rev.	150 (min.)	Conforms
3	Resistance to Immersion in Boiling Water				
	Mass Increase		%	21.0 (max.)	Conforms
	Thickness Increase		%	23.0 (max.)	Conforms
	Appearance		Grade	Not worse than 3	Conforms
4	Dimensional Stability at Temperature				
	Longitudinal		%	0.70 (max.)	Conforms
	Transverse		%	1.20 (max.)	Conforms
5	Resistance to Impact by Small Diameter Ball		N	15.0 (min.)	Conforms
6	Resistance to Cracking		Grade	Not worse than 4	Conforms
7	Resistance to Scratching		N	1.75	Conforms
8	Resistance to Staining				
	Group 1 & 2		Grade	Not worse than 5	Conforms
	Group 3 & 4		Grade	Not worse than 3	Conforms
9	Resistance to Colour Change				
	In Xenon-Arc Light		Grade	Not worse than 6	Conforms
	In Enclosed Carbon-Arc Light		Grade	Not worse than 5	Conforms
10	Resistance to Steam		Grade	Not worse than 3	Conforms
11	Formability (Radius)		mm	10 (min.)	Conforms
12	Resistance to Blistering		Sec.	10 (min.)	Conforms
BIO-CHEMICAL PROPERTY		STANDARD	UNIT	REQUIREMENT	TEST RESULT
Antiviral Efficacy & Activity		ISO 21702-2019	% Reduction in10 minutes	No requirement	90.0% (Min.)
Virus tested			% Reduction in 30 minutes	95% (Min.)	99.0% (Min.)
			SARS CoV-2		
Antibacterial Efficacy & Activity		ISO 21702-2019	% Reduction in 2 hours	No Requirement	90% (Min.)
			% Reduction in 24 hours	95.0 (Min.)	99.9% (Min.)
Virus tested			Activity after 24 hours	2.0 (Min .)	Exceeds
			MS2 Bacteriophage		
Antibacterial Efficacy & Activity		JIS 2801-2012	% Reduction in 24 hours	95.0 minimum	99.99
			Activity after 24 hours	2.0 (Min.)	Exceeds
Bacteria tested			1. Pseudomonas Aeruginosa, 2. Enterococcus Faecalis, 3. Candida Albicans, 4. Pseudomonas Aeruginosa, 5. Escherichia Coli, 6. Klebsiella Pneumoniae, 7. MRSA (Methicillin Resistant Staphylococcus Aureus), 8. Salmonella Enterica		
Antifungal Efficacy		ASTM G-21-2015	Growth after 28 days	Rating 1	Rating O (No Growth)
Fungus tested			1. Aspergillus niger, 2. Penicillium funicolosum, 3. Gliocladium virens, 4. Chaetobium globosum, 5. Aurobasidium pullulans		

**Note:** Whereas Greenlam products are manufactured to thorough standards, the nature of the application procedure is beyond our control. The values given above are to the best of knowledge but without liability/warranty, expressed or implied.