



 **EDGEPRO**  
High Quality Edgeband Solutions

# TECHNICAL DATA SHEET

PERFECTION DOESN'T STOP AT THE SURFACE.



Sharp Design  
& Color Match



Superior  
Quality



Easy to  
Install

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## ABOUT US

Greenlam is among the world's top three laminate manufacturers and a leading player in the integrated wood panel industry, offering a comprehensive range of surfacing and substrate solutions to customers in over 120 countries. Known for its commitment to quality and innovation, Greenlam's product portfolio includes decorative and compact laminates, interior and exterior cladding, restroom cubicles, locker solutions, decorative veneers, engineered woodflooring, doors, plywood and Melamine Faced Chipboards (MFC).

The Greenlam Group operates five advanced manufacturing facilities across India, located in Behror (Rajasthan), Nalagarh (Himachal Pradesh), Prantij (Gujarat), Tindivanam (Tamil Nadu), and Naidupeta (Andhra Pradesh). Dedicated to environmental responsibility, Greenlam ethically sources its raw materials from around the world and holds multiple sustainability certifications, such as FSC®, PEFC™, ISO 14001, GRIHA, GREENPRO, REACH, ISO 45001, and ISO 50001. Its products are also certified with CE, UL, NSF, SEFA, Green Label, Greenguard, NEMA (for the US and North America), and BS EN (Global). Additionally, the company is ISO 9001 certified for Quality Management Systems and holds SEDEX certification for Ethical Trade Initiatives, ensuring its products are safe and eco-friendly.

## GREENLAM EDGEPRO EDGE BANDS – PRECISION ENGINEERED EDGE SOLUTIONS

From the house of Greenlam - **Greenlam EDGEPRO Edge Bands** are high-performance PVC edge solutions engineered to deliver superior bonding strength, dimensional stability, and long-term durability in furniture and interior applications. **Composed of 100% virgin PVC and calcium of the highest purity**, Greenlam EDGEPRO ensures enhanced structural integrity, consistent surface finish, and dependable performance in demanding production environments.

The backside of each edge band is 100% coated with a high-quality invisible primer, enabling a strong and reliable bond with EVA and PUR hot-melt adhesives, and ensuring consistent adhesion across automated and high-speed edge-banding processes.

Manufactured using advanced extrusion technology and stringent process controls, Greenlam EDGEPRO guarantees uniform thickness, precise dimensional tolerances, and consistent colour fidelity—critical for large-scale manufacturing and CNC applications. The range is fully synchronized with Greenlam's Melamine Faced Chipboard (MFC) portfolio, enabling accurate décor matching and batch-to-batch consistency. Each production batch undergoes rigorous quality testing in state-of-the-art facilities to meet stringent performance and manufacturing benchmarks.

Greenlam EDGEPRO enhances panel durability, strengthens structural integrity, and delivers a precise, factory-finished appearance—making it a dependable solution for OEMs, modular furniture manufacturers, and large-scale interior fit-outs.



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## GREENLAM EDGEPRO – KEY FEATURES

PARAMETER	SPECIFICATION / PERFORMANCE DETAIL
<b>Base Material</b>	100% Virgin PVC
<b>Filler Composition</b>	Calcium of Highest Purity
<b>Back Coating</b>	100% Invisible Primer Coated for Strong Adhesion
<b>Adhesive Compatibility</b>	EVA & PUR Hot-Melt Systems
<b>Impact Resistance</b>	High Resistance to Edge Chipping & Mechanical Stress
<b>Machinability</b>	Suitable for Manual & Semi-Automatic Edge-Banding Machines
<b>Abrasion Resistance</b>	Resistant to Surface Wear & Daily Usage
<b>Moisture Resistance</b>	Prevents Moisture Ingress & Substrate Swelling
<b>Dimensional Stability</b>	Stable Under Varying Temperature & Humidity Conditions
<b>Surface Finish</b>	Consistent Matt Finish
<b>Surface Treatment</b>	UV Cured for Enhanced Scratch & Surface Resistance
<b>Edge Profile</b>	Soft Bevelled Edges
<b>Design Accuracy</b>	Sharp Design Replication & Precise Color Match
<b>Radius Capability</b>	Suitable for Light Radius Applications
<b>Color Fastness</b>	High Indoor Color Stability
<b>Termite Resistance</b>	Termite Proof (Polymer-Based Composition)
<b>Flame Property</b>	Self-Extinguishing
<b>Recyclability</b>	100% Recyclable Thermoplastic Material

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DESCRIPTION	TEST STANDARD	VALUE
Hardness (Shore)	ISO868	D - 68 +/- 4
Shrinkage (1h at 60°C)	Works standard	< 0.4 %
Static Charging	-	Low
Vicat Softening Temperature (at 50N)	ASTM D1525-2009	84.6°C

RESISTANCE TO IMMERSION TESTING (IN BOILING WATER FOR 24 HOUR)		
Temperature	IS:2046-1995	50°+/- 1 C
Dimension Change	IS:2046-1995	0.43%
Resistance to Immersion	IS:2046-1995	0.03%

COLOR FASTNESS TO RUBBING		
Change in Color	IS:766-2004	R5 (Grey Scale)
Visual Observation	IS:766-2004	No visual change observed

COLOR FASTNESS TO LIGHT		
Type of lamp UV A340	ASTM G154-2016	UV A340
Exposure Cycle	8 hours UV at 60+/-3°C 4 hours condensation at 50+/-3°C Total Exposure Time -24 hours	
Observation	No visual change absorbed	

RESISTANCE TO CIGARETTE BURN		
Observation	ASTM C1149-02 (Clause: 6.5)	-0.27%

RESISTANCE TO STAINING		
Resistance to Staining	IS:2046-1995	R5 (Grey Scale)
Visual Observation	IS:2046-1995	No visual change observed

FLAMMABILITY TEST		
Condition of test piece (at 23°C and 50% R.H. for 48hr) Two sets of 3 specimens		
Requirement	UL94-2023	Cease to burn before 100mm reference mark
Observation	UL94-2023	Cease to burn before 25mm mark

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PHYSICAL DATA	
State	Solid
Boiling Point	NA
Specific Gravity	1.20 to 1.40
Solubility	Insoluble
Volatility	Negligible
PROCESSING CHARACTERISTICS	
Machining	PVC Suitability
Cutting	Good
Milling Direction	Counter Direction
Pre-Milling	Good
Radius Milling	Good
Profiling	Good
Scraper Processing	Good
Buffing	Good
Bonding	Any conventional hot-melt adhesive suitable for edging tapes can be used
Polish Ability	Good
Stress Whitening	Low*
Machining Center Processing Compatibility	Very Good
TOLERANCES	
Width mm	Tolerance mm
EDGE BANDING WIDTH	
15-65	+/- 0.1
EDGE BANDING THICKNESS	
0.4-0.7	+/-0.05
0.8-1.5	+/-0.075
1.6-2.0	+/-0.1
2.1-3.0	+/-0.2

\*Low stress whitening is usually achieved with lower dosage of fillers and a slightly different formula. All edgebands made with lead composition yields low stress whitening in places where the edgebanding machine is also properly maintained.

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## GREENLAM EDGEPRO – OFFERING

RANGE	SIZE	PACK SIZE	WEIGHT OF THE BOX
<b>MFC Universal</b>	0.45 x 22 mm	1 Box = 3 Roll of 100Mtr. (300 Mtr. per Box)	07 - 10 kg per box
	0.8 x 22 mm	1 Box = 3 Roll of 100Mtr. (300 Mtr. per Box)	13 - 15 kg per box
	2 x 30 mm	1 Box = 3 Roll of 100Mtr. (300 Mtr. per Box)	27 - 29 kg per box
<b>MFC Studio</b>	0.80 x 22 mm	1 Box = 3 Roll of 100Mtr. (300 Mtr. per Box)	13 - 15 kg per box
	2 x 22 mm	1 Box = 3 Roll of 100Mtr. (300 Mtr. per Box)	21 - 22 kg per box
	2 x 30 mm	1 Box = 3 Roll of 100Mtr. (300 Mtr. per Box)	27 - 29 kg per box

## GREENLAM EDGEPRO – STORAGE AND MAINTENANCE

### Storage:

Greenlam EDGEPRO – Edge Bands are resistant to rot and environmental degradation. Store at room temperature (18°C–20°C / 64°F–68°F) in a dry, weatherproof area protected from direct sunlight and extreme temperature fluctuations. Under recommended storage conditions, the product maintains its performance characteristics for an extended period.

### Maintenance:

Clean the surface using a soft cloth with mild soap solution and warm water. Wipe dry to maintain finish and appearance. Avoid abrasive cleaners or harsh chemicals.

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