Greenlam Limited

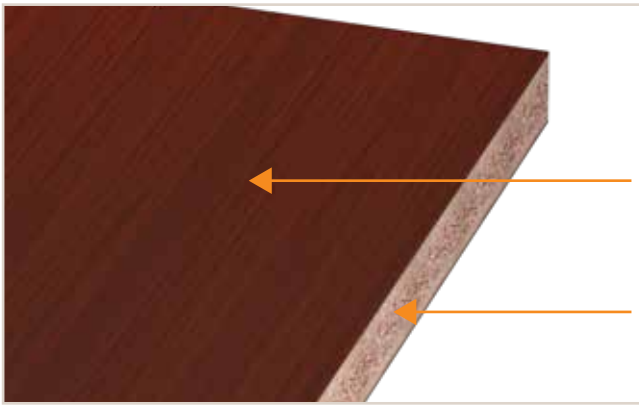
Greenlam

MFC

PRELAM CHIPBOARD

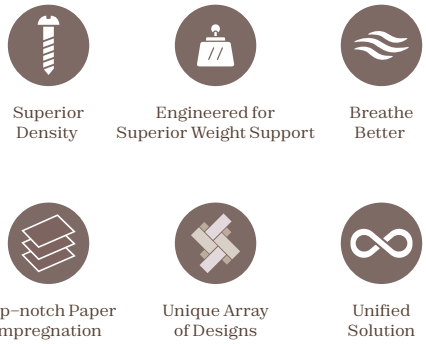
TECHNICAL DATA SHEET

MFC CORE, EMISSION CLASS-E1



PROPERTIES

- **Superior Density** powered by Wobble Distribution Technology for stronger screw retention and stability.
- **Engineered for Superior Weight Support** with precise sanding and uniform thickness for better durability.
- **Breathe Better** with low-emission materials that ensure cleaner, healthier indoor air.
- **Top-notch Paper Impregnation** using 100% European decors and advanced resin treatment for added durability.
- **Unique Array of Designs** offering a wide range of colors, textures, and finishes to suit any style.
- **Unified Solutions** with matching laminates, compacts, chipboards, and post-forming laminate options for seamless design harmony.



APPLICATIONS

- Suitable for all sectors: Hospitality, Service, Public area, Health care, Residential spaces, Office spaces.
- Suitable both for horizontal applications (worktops) and vertical applications (wall panelling).
- **MFC Core** is suitable for various applications like Furniture, Doors, Partitions, Interior decorations.

PRODUCT OFFER

CORE/ SUBSTRATE	MFC CORE
SIZE	8FT X 4FT (2440MM X 1220MM), 8FT X 6FT (2440MM X 1830MM), 9FT X 6FT (2750MM X 1830MM)
CORE COLOR	NO COLOR
GRADE	P2
THICKNESS	9MM, 12MM, 15MM, 17MM, 18MM, 25MM
EMISSION	E1
FINISH	SUEDE, MATT

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TECHNICAL DATA SHEET

Properties	Test Method	Unit	Requirement as per EN 14322:2021	Greenlam MFC Core Values 18MM
Physical and Dimensional Properties				
Length	EN 14323	mm	±5	±3
Width	EN 14323	mm	±5	±3
Thickness	EN 14323	%	±0.30	18.15
Edge Straightness	EN 324-2	mm/m	1.50	0.40
Squareness	EN 324-2	mm/m	2	0.30
Density	EN 323	Kg/m³	500-900	682
Moisture Content	EN 322	%	5-13	7.68
Mechanical Properties				
Thickness Swelling (24 hours) Soaking	EN 317	%	N/A	N/A
Surface Soundness	EN 311	N/mm²	0.80	1.50
Modulus of Rupture (MOR)				
>6 to 13	EN 310	N/mm²	11	N/A
>13 to 20			11	12.05
>20 to 25			10.50	N/A
Modulus of Elasticity (MOE)				
>6 to 13	EN 310	N/mm²	1800	N/A
>13 to 20			1600	1985
>20 to 25			1500	N/A
Tensile Strength Perpendicular to Surface				
>6 to 13	EN 319	N/mm²	0.40	N/A
>13 to 20			0.35	0.38
>20 to 25			0.30	N/A
Surface Properties				
Resistance to Scratching	EN 14323	N	≥1.50	Conforms
Resistance to Staining	EN 14323	Rating	≥3 (Moderate Change, e.g., Discoloration, Change in gloss when visible in several viewing direction)	Conforms
Resistance to Cracking	EN 14323	Rating	≥3	Conforms
Resistance to abrasion Depending in the layer configuration different classes are reached.	EN 14323	Revolutions	IP ≥ 50	Conforms
Flatness	EN 14323	mm/m	≤ 2	Conforms
Surface defect	EN 14323	mm²/m²	Points ≤ 2	Conforms
		mm/m²	Length ≤ 20	Conforms
Edge Damage	EN 14323	mm	≤10	Conforms
Health and Environmental Characteristics				
Free Formaldehyde Content	EN 120	mg/100g of oven dry board	For Class E1 ≤8	6.70

SUSTAINABLE BOARDS

Using Wood from Agro-based Plantation

No Stop No Waste

Energy from Waste

Conserving Natural Resources

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