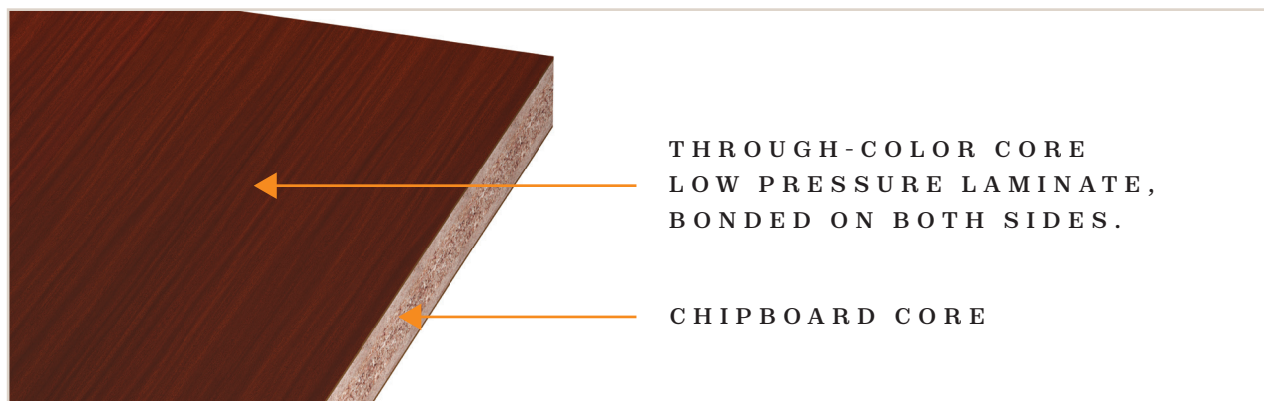




## TECHNICAL DATA SHEET

### MFC CORE, EMISSION CLASS-E2



### 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.



Superior Density



Engineered for Superior Weight Support



Breathe Better



Top-notch Paper Impregnation



Unique Array of Designs



Unified Solution

### 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.



Furniture



Doors



Partitions



Interior decorations



Use in dry conditions

### 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	GRADE II
THICKNESS	9MM, 12MM, 15MM, 17MM, 18MM, 25MM
EMISSION	E2
FINISH	SUEDE, MATT

Properties	Unit	Std as per IS-3087	Greenlam MFC Core Values			
			9 MM	12 MM	18 MM	25 MM
Physical and Dimensional Properties						
Length	mm	±5	±3	±3	±3	±3
Width	mm	±5	±3	±3	±3	±3
Thickness	%	±5	9.11	12.09	18.13	25.12
Edge Straightness	mm/m	2	0.40	0.30	0.40	0.50
Squareness	mm/m	2	0.30	0.40	0.40	0.30
Density	Kg/m³	500-900	725	690	660	650
Density Variation (max)	%	±10	4.26	3.78	3.25	2.68
Moisture	%	5-15	6.80	7	7.25	7.60
Mechanical Properties						
Water Absorption (max)						
i) 2 hrs.	%	40	19.40	18.55	15.25	13.55
ii) 24 hrs.		80	45.50	43.85	40.85	37.25
Thickness Swelling (2hrs) Soaking (max)	%	12	11.25	11.05	10.65	10.45
Swelling in Thickness Due to Surface Absorption (2hrs) (max)	%	9	6.55	6.35	6.15	5.55
Modulus of Rupture						
i) Average	N/mm²	11	13.55	13.40	12.90	12.40
ii) Minimum		10	12.80	12.60	12.05	11.90
Modulus of Elasticity						
i) Average	N/mm²	2000	2352	2325	2205	2185
ii) Minimum		1800	2005	1985	1970	1910
Tensile Strength Perpendicular to Surface (min)						
i) Up to 20mm Thickness	N/mm²	0.30	0.55	0.50	0.45	N/A
ii) Above 20mm Thickness		0.30	N/A	N/A	N/A	0.39
Screw Withdrawal Strength (min)						
i) Face	N	1250	2150	2215	2210	2268
ii) Edge (for thickness>12mm)	N	700	N/A	N/A	1089	1005
Health and Environmental Characteristics						
Free Formaldehyde Content	mg/100g of oven dry board	8 <Fc≤30	16.20	15.30	16.20	16.52



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