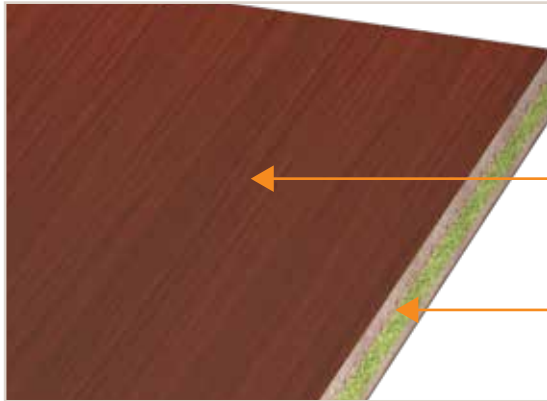


### MFC CORE+ (MR GRADE), EMISSION CLASS-E1



THROUGH-COLOR CORE  
LOW PRESSURE LAMINATE,  
BONDED ON BOTH SIDES.

CHIPBOARD CORE+

### 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.
- **MFC Core+** are suitable for high-traffic public environments: train stations, airports, schools, hospitals, laboratories, retail stores, etc.
- Suitable both for horizontal applications (worktops) and vertical applications (wall panelling).
- **MFC Core+** is suitable for various applications like Kitchen furniture, structural flooring, walls and roofs.



Kitchen and  
bathroom  
furniture



Load-bearing use  
in humid  
conditions



Indoor areas in  
demanding  
load applications



Use on structural  
flooring, walls  
and roofs



Structural or  
access flooring

### 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	CENTER GREEN COLOR
GRADE	P3
THICKNESS	9MM, 12MM, 15MM, 17MM, 18MM, 25MM
EMISSION	E1
FINISH	SUEDE, MATT

Properties	Test Method	Unit	Requirement as per EN 312:2010	Greenlam MFC Core + Values			
				9MM	12MM	18MM	25MM
Physical and Dimensional Properties							
Length	EN 324-1	mm	±5	±3	±3	±3	±3
Width	EN 324-1	mm	±5	±3	±3	±3	±3
Thickness	EN 324-1	%	±0.30	9.10	12.10	18.15	25.15
Edge Straightness	EN 324-2	mm/m	1.50	0.40	0.30	0.40	0.50
Squareness	EN 324-2	mm/m	2	0.30	0.40	0.30	0.30
Density	EN 323	Kg/m³	500-900	760	750	720	700
Moisture Content	EN 322	%	5-13	6.25	6.50	8.20	8.15
Mechanical Properties							
Thickness Swelling (24 hours) Soaking							
>6 to 13	EN 317	%	17	12.10	11.20	N/A	N/A
>13 to 20			14	N/A	N/A	10.80	N/A
>20 to 25			13	N/A	N/A	N/A	9.65
Modulus of Rupture (MOR)							
>6 to 13	EN 310	N/mm²	15	18.03	17.96	N/A	N/A
>13 to 20			14	N/A	N/A	16.82	N/A
>20 to 25			12	N/A	N/A	N/A	14.25
Modulus of Elasticity (MOE)							
>6 to 13	EN 310	N/mm²	2050	2412	2386	N/A	N/A
>13 to 20			1950	N/A	N/A	2375	N/A
>20 to 25			1850	N/A	N/A	N/A	2242
Tensile Strength Perpendicular to Surface							
>6 to 13	EN 319	N/mm²	0.45	0.95	0.88	N/A	N/A
>13 to 20			0.45	N/A	N/A	0.85	N/A
>20 to 25			0.40	N/A	N/A	N/A	0.78
Internal Bond After Boil Test							
>6 to 13	EN 1087-1	N/mm²	0.09	0.20	0.19	N/A	N/A
>13 to 20			0.08	N/A	N/A	0.18	N/A
>20 to 25			0.07	N/A	N/A	N/A	0.17
Internal Bond After Cyclic Test							
>6 to 13	EN 321	N/mm²	0.15	0.20	0.19	N/A	N/A
>13 to 20			0.13	N/A	N/A	0.18	N/A
>20 to 25			0.12	N/A	N/A	N/A	0.22
Swelling in Thickness After Cyclic Test							
>6 to 13	EN 321	N/mm²	14	12.50	12	N/A	N/A
>13 to 20			13	N/A	N/A	11	N/A
>20 to 25			12	N/A	N/A	N/A	10.50
Surface Properties							
Resistance to Scratching	EN 14323	N	≥ 1.50	Conforms	Conforms	Conforms	Conforms
Resistance to Staining	EN 14323	Rating	(Moderate Change, e.g., Discoloration, Change in gloss when visible in several viewing direction)	Conforms	Conforms	Conforms	Conforms
Resistance to Cracking	EN 14323	Rating	≥ 3	Conforms	Conforms	Conforms	Conforms
Resistance to abrasion Depending in the layer configuration different classes are reached.	EN 14323	Revolutions	IP ≥ 50	Conforms	Conforms	Conforms	Conforms
Flatness	EN 14323	mm/m	≤ 2	Conforms	Conforms	Conforms	Conforms
Surface defect	EN 14323	mm/m²	Points ≤ 2	Conforms	Conforms	Conforms	Conforms
Edge Damage	EN 14323	mm/m²	Length ≤ 20	Conforms	Conforms	Conforms	Conforms
Edge Damage	EN 14323	mm	≤ 10	Conforms	Conforms	Conforms	Conforms
Health and Environmental Characteristics							
Formaldehyde release according to EN 13986	EN 120	mg/100g of oven dry board	For Class E1 ≤ 8	7.15	6.85	6.72	5.95



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