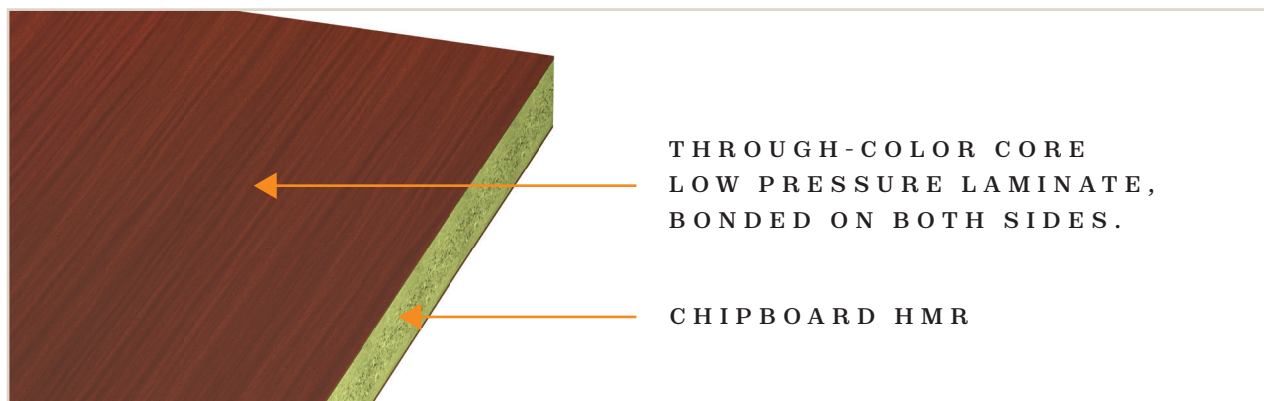


MFC HMR, EMISSION CLASS-E2



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 HMR** are suitable for high-traffic public environments: train stations, airports, schools, hospitals, laboratories, retail stores, etc.
- **MFC HMR** is suitable for various applications like furniture components, partitions, Bathroom and Kitchen furniture, structural roof decking.



Furniture components



Partitions



Areas that require protection from moisture



Bathroom and kitchen furniture



Humid areas, kitchens / bathrooms



Structural roof decking

PRODUCT OFFER

CORE/ SUBSTRATE	MFC HMR
SIZE	8FT X 4FT (2440MM X 1220MM), 8FT X 6FT (2440MM X 1830MM), 9FT X 6FT (2750MM X 1830MM)
CORE COLOR	FULL GREEN COLOR
GRADE	GRADE I
THICKNESS	9MM, 12MM, 15MM, 17MM, 18MM, 25MM
EMISSION	E2
FINISH	SUEDE, MATT

Properties	Test Method	Unit	Specified Values as per AS/NZS 1859.1	Greenlam MFC HMR Values
				18MM
Physical and Dimensional Properties				
Appearance	Visually		Free from Pits, Dents or Physical Deformation	Conforms
Actual Thickness	AS/NZS 4266.2 Method- 2	mm	±0.60	18.05
Length Tolerance		mm	±5	±3
Width Tolerance		%	±5	±3
Squareness		mm/m	2	0.40
Edge Squareness		mm/m	2	0.40
Average Density	AS/NZS 4266.4 Method- 2	Kg/m³	500-900	748
Moisture Content	AS/NZS 4266.3 Method- 2	%	5-13	6.72
Mechanical Properties				
Thickness Swelling, 24hrs, (Max.)	AS/NZS 4266.8 Method-8	%	12	6.48
Modulus of Rupture (MOR)	AS/NZS 4266.5 Method-5	N/mm²	16	18.25
Modulus of Elasticity (MOE)	AS/NZS 4266.5 Method-5	N/mm²	2400	2752
Tensile Strength Perpendicular to Laminate Surface				
a) >12 to 22 mm Thickness	AS/NZS 4266.6 Method-6	N/mm²	0.40	0.85
Screw Withdrawal Strength				
a) Face	AS/NZS 4266.13 Method-13	N	1250	2615
b) Edge			850	1426
Tensile Strength Perpendicular to Laminate Surface				
a) Internal Bond after Cyclic Test	AS/NZS 4266.11 Method-11	N/mm²	0.35	0.40
b) Thickness Swelling after Cyclic Test		%	10	6.07
Surface Properties				
Resistance to Abrasion, Min Type II	AS/NZS 4266.2 Method- 2	Revolutions	450	472
Resistance to Steam		As Agreed	Should not Effect	Conforms
Resistance to Stain		As Agreed	Should not Effect	Conforms
Resistance to Cracking		As Agreed	Should not Effect	Conforms
Resistance to Cigarette Burn		As Agreed	Should not Effect	Conforms
Health and Environmental Characteristics				
Formaldehyde release according to EN 120	EN 120	mg/100g of oven dry board	For Class E2 > 8 & ≤ 20	12.55



Using Wood from
Agro-based Plantation



No Stop
No Waste



Energy
from Waste



Conserving
Natural Resources

GREENLAM LIMITED

(A Subsidiary of Greenlam Industries Limited)

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