

RANGER BOARD PREMIUM MDF SPECIFICATIONS



MDF Properties (Imperial)	3/8" - 1/2"	9/16" - 7/8"	15/16" - 1 1/4"
Density	48 pcf	47 pcf	46 pcf
Internal Bond	105 psi	105 psi	100 psi
Modulus of Rupture	4,500 psi	4,500 psi	4,500 psi
Modulus of Elasticity	450,000 psi	450,000 psi	450,000 psi
Screw Holding-Face	325 lbs	325 lbs	315 lbs
Screw Holding-Edge	N/A	300 lbs	300 lbs
Thickness Swell	0.065 in.	8%	5%
Linear Expansion	0.3%		
Thickness Tolerance	± 0.005 in.		
Moisture Content	4-6%		

MDF Properties (Metric)	9mm-12mm	14mm-22mm	23mm-32mm
Density	769 kg/m ³	753 kg/m ³	737 kg/m ³
Internal Bond	0.72 N/mm ²	0.72 N/mm ²	0.69 N/mm ²
Modulus of Rupture	31.03 N/mm ²	31.03 N/mm ²	31.03 N/mm ²
Modulus of Elasticity	3,103 N/mm ²	3,103 N/mm ²	3,103 N/mm ²
Screw Holding-Face	1,445 N	1,445 N	1,400 N
Screw Holding-Edge	N/A	1,334 N	1,334 N
Thickness Swell	1.65mm	8%	5%
Linear Expansion	0.3%		
Thickness Tolerance	± 0.127mm		
Moisture Content	4-6%		

- Ranger Board is certified with:
 - Composite Panel Association Eco-Certified Composite Grademark Certification Program (ECC 4-19) and ANSI A208.2–2022
 - Scientific Certification Services (SCS–MC–01444)
 - Forest Stewardship Council: Standard for Chain of Custody Certification (FSC-STD-40-003 v2-1, FSC-STD-40-004 v3-1) and the Standard for Company Evaluation of FSC Controlled Wood (FSC-STD-40-005 v3-1)
- Formaldehyde emissions: Ranger Board MDF – EPA TSCA Title VI (40 CFR Part 770), CARB ATCM 93120.
- Surface Burning Characteristics: Testing completed on Ranger Board MDF, show material being Class III or C in accordance with ULC Standard CAN/ULC-S102.
- Standard finish 150 grit
- Finished sizes available:
 - Width: 48" to 73"
 - Length: 48" to 205"
 - Other sizes available upon request.
- All physical property values represent the compiled average of quality assurance testing conducted on Ranger Premium MDF.
- Ranger Premium MDF complies with ANSI A208.2–2022 using the prescribed test methods in ASTM D-1037-12 (2020).
- Ranger Premium MDF is manufactured from 100% Western white softwoods. Appearance is a consistent light sandy color.

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West Fraser