

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	110 psi	110 psi	105 psi
Modulus of Rupture	4,500 psi	4,500 psi	4,000 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.	7%	4%
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	0.76 N/mm ²	0.76 N/mm ²	0.72 N/mm ²
Modulus of Rupture	31.03 N/mm ²	31.03 N/mm ²	27.6 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	7%	4%
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 – 2016
 - Scientific Certification Services (SCS – MC – 01444)
 - Forest Stewardship Council Standard for Chain of Custody Certification (FSC-STD-40-004 v2-1) and the Standard for Company Evaluation of FSC Controlled Wood (FSC-STD-40-005 v2-1)
- Formaldehyde emissions: Ranger Board MDF – EPA TSCA Title VI, 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 – 2016 using the prescribed test methods in ASTM D-1037.
- Ranger Premium MDF is manufactured from 100% Western white softwoods. Appearance is a consistent light sandy color.

Ranger Board, a Division of West Fraser Mills Ltd.
 1250 Brownmiller Rd.
 Quesnel, B.C. V2J 6P5
 General sales phone #: 250-992-9254
 General email: mdf@westfraser.com
 (2019)



West Fraser