

# RANGER BOARD

## STANDARD MDF SPECIFICATIONS



MDF Properties (Imperial)	7/16" - 1/2"	9/16" - 7/8"	15/16" - 1 1/4"
Density	47pcf	46 pcf	45 pcf
Internal Bond	95 psi	95 psi	95 psi
Modulus of Rupture	4,000 psi	4,000 psi	4,000 psi
Modulus of Elasticity	400,000 psi	400,000 psi	400,000 psi
Screw Holding-Face	320 lbs	320 lbs	320 lbs
Screw Holding-Edge	N/A	300 lbs	300 lbs
Thickness Swell	0.065 in.	< 10%	< 10%
Linear Expansion	0.3%		
Thickness Tolerance	± 0.005 in.		
Moisture Content	4-6%		

MDF Properties (Metric)	9mm-12mm	14mm-22mm	23mm-32mm
Density	753 kg/m <sup>3</sup>	737 kg/m <sup>3</sup>	721 kg/m <sup>3</sup>
Internal Bond	0.66 N/mm <sup>2</sup>	0.66 N/mm <sup>2</sup>	0.66 N/mm <sup>2</sup>
Modulus of Rupture	27.58 N/mm <sup>2</sup>	27.58 N/mm <sup>2</sup>	27.58 N/mm <sup>2</sup>
Modulus of Elasticity	2,758 N/mm <sup>2</sup>	2,758 N/mm <sup>2</sup>	2,758 N/mm <sup>2</sup>
Screw Holding-Face	1,420 N	1,420 N	1,420 N
Screw Holding-Edge	N/A	1,330 N	1,330 N
Thickness Swell	1.65mm	< 10%	< 10%
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 Standard MDF.
- Ranger Standard MDF complies with ANSI A208.2 – 2016 using the prescribed test methods in ASTM D-1037.
- Ranger Standard MDF is manufactured from 100% Western white softwoods. Appearance is a consistent light sandy color.

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**West Fraser**