

## Excel+ NU Green MR50®

### Technical Specifications

Properties	Typical Value*				ANSI A208.2-2016 (Grade 155)	
	< 15 mm		≥ 15 mm		Metric	Imperial
	Metric	Imperial	Metric	Imperial		
Internal Bond	1.2 N/mm <sup>2</sup>	174 psi	1.0 N/mm <sup>2</sup>	145 psi	0.81 N/mm <sup>2</sup>	117 psi
MOR	39.0 N/mm <sup>2</sup>	5,650 psi	32.4 N/mm <sup>2</sup>	4,700 psi	27.9 N/mm <sup>2</sup>	4,050 psi
MOE	3,750 N/mm <sup>2</sup>	543,900 psi	3,350 N/mm <sup>2</sup>	485,900 psi	2,792 N/mm <sup>2</sup>	405,000 psi
Screw holding:						
Face (≥ 3/8")			1,327 N	298 lb	1,201 N	270 lb
Edge (≥ 5/8")			1,160 N	261 lb	1,001 N	225 lb
Moisture Content	4-6%		4-6%		≤ 9%	
Thickness Swell	Complies with MR10					
Accelerated Aging Cycles	Complies with MR30					
Formaldehyde Emissions	≤ 0.02 ppm					
Thickness Tolerance:	Metric	Imperial				
from specified thickness	± 0.125 mm	± 0.005 in				
from panel average	± 0.125 mm	± 0.005 in				
Length/Width	± 2.0 mm	± 0.080 in				
Linear Expansion	≤ 0.33%					

High mechanical properties, and an excellent resistance to humidity and aging. NAF Certified. 100% softwood.

Thicknesses available: 1/4" to 1". Others available on request, subject to minimum order.

Passes the 6 Cycle accelerated aging and the 24-hour Water Submersion Tests (MR50)

NU Green MR50® NAF MDF meets the requirements of ANSI 2-2016/Grade 155, ECC 4-11, CARB ATCM 93120 and is available as FSC® certified

NU Green MR50 MDF is NAF certified (No Added Formaldehyde) and exceeds CARB Phase 2 standards

\*Typical values measured at the Mont-Laurier plant