



## HOME of MAGNUM BOARD®

“The New Generation **GREEN** Building Material”

“**Install It for Health-Install It for Life**”

Manufacturing Sheathing & Siding Products

### ENGINEERING SPECIFICATIONS

<b>SPECIFICATGION NO.:</b>	011118.1225
<b>DESCRIPTION:</b>	Magnum 111 Vertical Siding 12MM SB
<b>ISSUE NO.:</b>	02
<b>ORIGINAL ISSUE DATE:</b>	June 16, 2022
<b>REVISION ISSUE DATE:</b>	NA
<b>BRIEF MODIFICAITON INFO:</b>	NA

I. Widths:

- a. 4' (1220mm)

II. Lengths:

- b. 8'-(2440mm)
- c. 9'-(2743mm)
- d. 10'-(3048mm)
- e. 12'-(3658mm)

III. Surface Profiles

- a. Smooth
- b. Sanded back

IV. Color:

- a. White to cream

## V. Edge Profiles

- a. Square edge – standard
- b. Ship lap on long edges

## VI. Engineering Chart

Line No.	Test Description	Unit	Criteria	Result	Conclusion
1	Density		1.10 – 1.20	1.10 – 1.20	✓
2	Thickness	mm / inches	12mm	15/32"	✓
3	Water Content-(%)	%	≤ 8%	5.9%	✓
4	Dry Shrinkage-(%)	%	≤ 0.3%	0.23%	✓
5	Swelling Ratio-(%)	%	≤ 0.6%	0.39%	✓
6	Screw Holding Capability	n/mm	≥ 50	68	✓
7	Chlorine Ion Content-(%)	%	≤ 3%	2.43%	✓ Industry Standard is 10 Maximum
8	Flexural Strength	Mpa	≥10.0	10.9	✓
9	Compressive Strength	Kj/m <sup>2</sup>	2.5	3.2	✓
10	Combustibility Rating		Class A1	Class A1	✓
11	Fire Wall Rating		1 Hour	1 Hour	✓

### LEGEND

✓ = Meets or exceeds applicable ASTM and Magnum Board Products, LLC minimum standards.

### NOTES:

1. For additional test and engineering information, refer to MBP Certified Test Summary.
2. Reference MBP Installation Instructions
3. Reference MBP Technical Guide
4. Special order lengths and widths are available upon request
5. Impact strength is measured using test protocol ASTM-D5420
6. Buyer may specify spline span widths.