



## 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 One-Hour Fire Wall Sheathing 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. Color:

- a. White to cream

IV. Edge Profiles

- a. Square edge – standard
- b. Tongue and Groove
- c. Bevel Edge
- d. Ship Lap

V. Product Uses Include but Are Not Limited To:

- a. One Hour Fire Wall – Part of UL Assembly
- b. Interior Sheathing
- c. Exterior Sheathing
- d. Ceiling
- e. Shear Wall)
- f. Battens (For board and batten installations)

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	1/2"	✓
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	≥8.0	9.4	✓
9	Impact Strength	Kj/m <sup>2</sup>	2.0	3.1	✓
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. Reference UL One Hour Fire Wall Assembly: