



## 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 Two-Hour Fire Wall Sheathing 16MM 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. Tape Relief
- c. Tongue and Groove
- d. Bevel
- e. Ship Lap

V. Product Uses Include, but Are Not Limited To:

- a. Interior Sheathing
- b. Exterior Sheathing
- c. Two-Hour Fire Wall Assembly
- d. Structural Insulated Panels (SIPS)

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	9.5	✓
9	Impact Strength	Kj/m <sup>2</sup>	2.0	3.7	✓
10	Combustibility Rating		Class A1	Class A1	✓
11	Fire Wall Rating		2 Hours	2 Hours	✓

**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 two-hour fire wall assembly number.

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101 16th Avenue S  
Suite 8  
St. Petersburg, FL 33701  
USA  
EM: [sales@magnumbp.com](mailto:sales@magnumbp.com)  
Website: [www.magnumbp.com](http://www.magnumbp.com)

For Sales and Technical Support:  
Canada, Australia, New Zealand, Alaska and Hawaii call 585.820.7625  
Continental United States and Mexico call 727.483.0777  
Europe, Central & South America, The Islands, and all other locations  
Call 813.900.2957