



HOME of MAGNUM BOARD®

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

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

Manufacturing Sheathing & Siding Products

HORIZONTAL SIDING ENGINEERING SPECIFICATIONS

SPECIFICATGION NO.:	011118.1225
DESCRIPTION:	Magnum Backer Board 12mm SB
ISSUE NO.:	02
ORIGINAL ISSUE DATE:	June 16, 2022
REVISION ISSUE DATE:	NA
BRIEF MODIFICAITON INFO:	NA

I. Widths:

- a. 3' (~900MM)

II. Lengths:

- a. 5' (~1,500MM)

III. Color:

- a. White to cream

IV. Surface

- a. Smooth

V. Edge Profiles

- a. Square edge – standard

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

- a. Backer Board and Underlayment in All Wet Areas such as Bathrooms, Kitchens, Laundry Rooms and Other.

VII. Engineering Chart

Line No.	Test Description	Unit	Criteria	Result	Conclusion
1	Density		1.10 to 1.20	1.10 to 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	≥8.0	8.8	✓
9	Impact Strength	Kj/m ²	2.5	3.2	✓
10	Combustibility Rating		Class A1	Class A1	✓

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