



HOME of MAGNUM BOARD®

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

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

Manufacturing Sheathing & Siding Products

ENGINEERING SPECIFICATIONS

SPECIFICATGION NO.:	011118.1225
DESCRIPTION:	Magnum Sheathing 16MM RB
ISSUE NO.:	02
ORIGINAL ISSUE DATE:	June 16, 2022
REVISION ISSUE DATE:	NA
BRIEF MODIFICAITON INFO:	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. Ship Lap

e. Bevel Edge

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

- a. Interior Sheathing
- b. Structural Insulated Panels (SIPS)
- c. Ceiling

VI. Engineering Chart

Line No.	Test Description	Unit	Criteria	Result	Conclusion
1	Density		1.0 – 1.05	1.0 – 1.05	✓
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			✓
7	Chlorine Ion Content-(%)	%	≤ 3%	2.43%	✓ Industry Standard is 10 Maximum
8	Flexural Strength	Mpa	≥8.0	8.7	✓
9	Impact Strength	Kj/m ²	2.0	2.7	✓
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

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