



HOME of MAGNUM® BOARD

“The New Generation Building Material”

TECHNICAL BULLETIN No.:	112809-1203
Subject:	Installation Guidelines for Magnum® Lap Siding
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1.0 PURPOSE

- 1.1 To define the guidelines for installing and finishing Magnum® Lap Siding.

2.0 GENERAL

- 2.1 Magnum® lap siding can be installed
 - 2.1.1 Over braced composite, wood or steel studs spaced a maximum of 24” on center,
 - 2.1.2 Directly to minimum 7/16” OSB or plywood or other approved sheathing,
 - 2.1.3 Over foam insulation up to 1” thick,
 - 2.1.4 Directly to minimum 10MM (7/16” nominal) Magnum® Sheathing, or
 - 2.1.5 Directly to block.
- 2.2 Irregularities in framing, sheathing, foam insulation, block (whatever the substrate may be) can mirror through the finished application so prior to beginning Magnum® Lap Siding installation, inspect the substrate to ensure it is flat and square. If not, it is strongly suggested that repairs be made prior to beginning the installation of Magnum® Lap Siding.
- 2.3 Follow local, state and federal codes regarding the use of weather-resistive barriers.
 - 2.3.1 Always install weather-barrier in strict accordance with manufacturer’s installation procedures.
 - 2.3.2 Magnum Building Products® will assume no responsibility for water infiltration.

- 2.4 Although Magnum® Lap Siding is impervious to water and insects, it is always good construction practice to install Magnum® Lap Siding such that it will not be in continuous contact with water and / or on grade.
- 2.5 Always follow local, State and Federal building code requirements for clearance between the bottom edge of the Magnum® Lap Siding and the adjacent finished grade.
- 3.0 RESPONSIBILITY
- 3.1 To obtain the desired finish, it is the responsibility of the siding installer to ensure the surface to which Magnum® Lap Siding is to be attached is flat **BEFORE** beginning the installation. If the Magnum® Lap Siding installer is not the installer of the substrate to which the siding will be attached, and there is a problem with that substrate, advise the owner or Contractor of the condition of the substrate and the potential aesthetic appearance of the installed Magnum® Lap Siding if the condition is not corrected.
- 4.0 MATERIAL REQUIREMENTS
- 4.1 Use the Magnum Building Products® Coverage Chart / Estimating Guide, section 8.0 to help determine the quantity of Magnum® Lap Siding you will need for the project.
- 4.2 Its good construction practice to marshal or stage the materials close to the point of installation.
- 4.3 Lay Magnum® Lap Siding flat on a solid surface and protect it from weather and dirt prior to and during installation.
- 4.4 Always protect the corners of Magnum® Lap Siding prior to and during installation.
- 4.5 Do not stack other materials on top of Magnum® Lap Siding.
- 5.0 PROCEDURE
- 5.1 Install a 1 ¼” starter strip at the bottom of the structure to ensure a consistent plant angle throughout installation. Reference figure “A”
- 5.2 If trim is already installed, place caulk on the edge of the Magnum® Lap Siding and butt against the trim. Reference figure “B”.

- 5.3 If trim is not installed, place edge of Magnum Lap Siding at the edge of the structure. Reference figure “C”.
- 5.4 Apply caulk at the base of the Magnum® Lap Siding and the stud or substrate prior to butting the next piece of siding in place. Reference figure “D”.
- 5.5 Install factory finished edges together at butt joints.
- 5.6 Fastening Requirements. Reference section “E”.
 - 5.6.1 If Face Fastening, use:
 - 5.6.1.1 Corrosion Resistant Screws
 - 5.6.1.1.1 Ribbed Wafer-head or equivalent (No. 8-18 X 0.323” HD X 1-5/8” long). Screws must penetrate ¼” or a minimum of three-(3) threads into metal studs.
 - 5.6.1.2 Corrosion Resistant Pneumatic Fasteners
 - 5.6.1.2.1 ET & F pin (0.100” shank X 0.25” HD X 1-1/2” long).
 - 5.6.1.2.2 Ensure the pins are flush with the surface of the Magnum® Lap Siding.
 - 5.6.1.3 If direct to block
 - 5.6.1.3.1 ASM-144-125 (P/C)
 - 5.6.1.3.2 Ensure the pins are flush with the surface of the Magnum® Lap Siding.
 - 5.6.2 If Blind Fastening, use
 - 5.6.2.1 Corrosion Resistant Screws
 - 5.6.2.1.1 Ribbed Wafer-head or equivalent (No. 8-18 X 0.323” HD X 1-5/8” long). Screws must penetrate ¼” or 3 threads into metal framing
 - 5.6.2.1.2 Ensure screws are flush with the surface of the Magnum® Lap Siding.

5.6.2.2 Corrosion Resistant Pneumatic Fasteners

5.6.2.2.1 ET & F Panelfast (0.100”
shank X 0.313” HD X 1-1/2”
long)

5.6.2.2.2 When blind nailing, it is imperative to countersink the fastener very slightly the fastener to allow the next plank of Magnum® Lap Siding to fit flat against the surface of the plank it is being installed over.

5.6.2.3 If direct to block

5.6.2.3.1 ASM-144-125 (P/C)

5.6.2.3.2 Ensure the pins are flush with the surface of the Magnum® Lap Siding.

5.6.3 Fasteners should be placed no closer than 3/8” from the edge of Magnum® Lap Siding and 1” from the top of each plank. Allow 1 ¼” overlap to cover fasteners when using the blind fastener application. Reference figure “F”

5.6.4 Whether face fastening or blind fastening, pneumatic pressures will vary depending on the substrate to which Magnum Lap Siding is being fastened.

5.6.5 General Fastening Notes

5.6.5.1 Magnum Lap Siding can be pneumatically fastened or screwed not nailed. **Pneumatic fastening is highly recommended.**

Always set air pressure so that the fastener is driven snug with the surface of the siding when “Face Fastening”.

NOTE: Magnum Building Products® recommends the use of a flush mount attachment on the pneumatic tool for this process.

When “Blind Fastening” always countersink the fastener slightly to allow for a smooth flat finish on the overlapping Magnum® Lap Siding.

5.6.5.2 Fasteners must be corrosion resistant or stainless steel.

Magnum Building Products is not responsible for the corrosion

resistance of fasteners. Stainless steel fasteners are recommended when installing Magnum® Board Products near water or in high humid climates.

5.6.5.3 CAUTION: Never fasten between lap siding joints.

Reference Figure “F”

6.0 DEFINITIONS

- 6.1 Blind Fastening: Application where placing a fastener through the top edge of lap siding that will be covered by the next course of lap siding.
- 6.2 Butt Joint: Any joint made by fastening two parts together side by side or end to end without overlapping.
- 6.3 Course: A row of planks, one plank wide running the length of the house.
- 6.4 Face Fastening: Application where a fastener will be placed through the overlap of a plank. The fastener will be visible.
- 6.5 Grade: The height of the ground on which something stands.
- 6.6 Lap: To overlap a course of siding with another course of siding.
- 6.7 Pneumatic Fastening: Act of fastening using air operated nail guns.

7.0 REFERENCES

- 7.1 Technical Bulletin No. 070109-1359: Installation Hardware
- 7.2 Sherwin Williams, or equivalent, Material Preparation and Paint Procedures
 - 7.2.1 108.21

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EXTERIOR LATEX SATIN COATING

K33 SERIES

8.0 MAGNUM® LAP SIDING COVERAGE CHART / ESTIMATING GUIDE

<u>Square Footage</u>	<u>7 ½"</u>	<u>8 ½"</u>
100	17	14
200	33	29
300	50	43
400	67	57
500	83	71
600	100	86
700	117	100
800	133	114
900	150	129
1,000	167	143
1,100	183	157
1,200	200	171
1,300	217	186
1,400	233	200
1,500	250	214
1,600	267	229
1,700	283	243
1,800	300	257
1,900	317	271
2,000	333	286
2,100	350	300
2,200	367	314
2,300	383	329
2,400	400	343
2,500	417	357
2,600	433	371
2,700	450	386
2,800	467	400
2,900	483	414
3,000	500	429

NOTE: THIS COVERAGE CHART IS MEANT AS A GUIDE ONLY. ACTUAL USAGE IS SUBJECT TO VARIABLES SUCH AS BUILDING DESIGN. MAGNUM® BUILDING PRODUCTS DOES NOT ASSUME RESPONSIBILITY FOR OVER OR UNDER ORDERING OF PRODUCT.

9.0 BUILDING CODES

9.1 Always follow Local, State and Federal Building Codes as applicable.