



HOME of MAGNUM[®] BOARD

“The New Generation Building Material”

TECHNICAL BULLETIN No.:	112809-1202
Subject:	Installation Guidelines for Magnum [®] Soffit
Issue Date:	November 2009
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1.0 PURPOSE

- 1.1 To define the guidelines for installing and finishing Magnum[®] soffit including ventilated and non-ventilated.

2.0 GENERAL

- 2.1 Magnum[®] soffit can be installed over steel, wood or composite framing complying with the local, state and federal building codes.
- 2.2 Install Magnum[®] soffit to nominal 2” X 4” framing members spaced a maximum of 24” on center.
- 2.3 The long dimension of Magnum[®] soffit is to be installed perpendicular to the framing.
- 2.4 All edges must be supported by framing.
- 2.5 Install weather barriers and air barriers as required by local, state and federal codes.
- 2.6 Magnum[®] Building Products will assume no responsibility for water infiltration.

3.0 RESPONSIBILITY

- 3.1 It is the responsibility of the soffit installer to inspect their work place prior to beginning the installation of Magnum[®] soffit to ensure the installed work will meet the owner / contractors requirements. Notify owner / general contractor of any concerns prior to the start of soffit installation.

4.0 MATERIAL REQUIREMENTS

- 4.1 Its good construction practice to marshal or stage the materials to be installed as close to the point of installation as possible.
- 4.2 Always lay Magnum® soffit on a solid surface and protect it from weather and dirt prior to and during installation.
- 4.3 Always protect the corners of Magnum® soffit prior to and during installation
- 4.4 Do not stack other materials on top of Magnum® soffit.

5.0 PROCEDURE

- 5.1 Magnum® soffit must be fastened to a solid, screw-able or pneumatically nail-able substrate such as a wood 2X sub-fascia.
- 5.2 Install vented soffits as shown in figure “A” with the vent holes toward the outside of the eave for optimal airflow. 12” to 24” wide Magnum® soffit provide 5.0 square inches of net free ventilation per lineal foot.
- 5.3 Install unvented soffits as shown in figure “B”.
- 5.4 If desired snap in vents can be installed into unventilated soffit. Reference figure “C”.
- 5.5 Magnum® soffit can be installed end to end using PVC or metal jointers or caulk. Reference figure “D”; or, caulk the butt joints. See figure “E”. Butt jointing is preferred as it leaves a smooth bottom surface.
- 5.6 Fasteners must be installed with a minimum 3/8” edge distance and 2” clearance from end of each length of soffit.
- 5.7 Magnum Board Products can be screwed or pneumatically nailed only. They cannot be hand nailed.
- 5.8 For wood or conventional 20 gauge steel frame construction a minimum No. 8-18 X 0.323” HD X 1” long ribbed bugle screws spaced 6” on center at panel edges and intermediate framing members spaced up to 24” on center are suitable in most locations. NOTE: Minimum Basic Wind Speed differs by locality. Where specified levels of wind resistance are required, refer to applicable Building Code Compliance Reports.
- 5.9 Magnum Building Products highly recommends pneumatically fastening soffit using ET & F AGS-100 - .100” X .25” X 1.5” pin.

- 5.10 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 Products near water or in very humid climates.

6.0 DEFINITIONS

- 6.1 Butt Joint: Any joint made by fastening two parts together side by side or end to end without overlapping.
- 6.2 ‘H’-Joint: Device allowing 2 pieces of flat material such as soffit to be jointed together. Reference figure “D”. Can be pvc or metal.
- 6.2 Non-Ventilated Soffit: Soffit with no ventilation holes. Soffit is solid generally requiring installation of vents.
- 6.3 Ventilated Soffit: Soffit has ventilation holes in it.

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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8.0 BUILDING CODES

8.1 Always follow local, State and Federal Building Codes.