ADVANCED
Building Products Inc.

WATAIRVENT® FURRING STRIP

Watairvent® Furring Strip | Rain Screen Batten

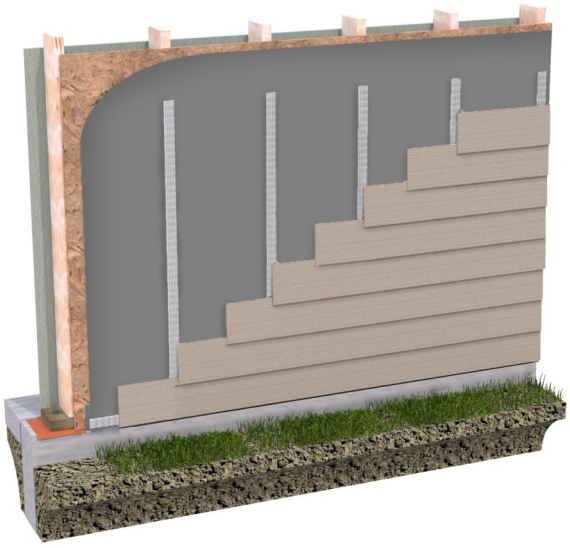
Why Watairvent® Rain Screen Furring Strips?

Most residential and light commercial structures are built using absorptive claddings. Since trapped moisture is a leading cause of wall failures, it is important to design walls that allow moisture to Drain, Not Remain® trapped behind cladding systems.

When building with clapboard siding, a wooden batten or furring strip is often used to create a capillary break. The concept is solid; however, there are issues with the design and material used in wood furring strips.

- Wood is an absorptive material, which can lead to rotting and provide a food source for mold.
- The surface area of the wood furring strips cover an average of 44% (front and back) of the walls surface area, which means 44% of that surface area can trap moisture.
- The surface area contact between the furring strip and backside of the cladding can allow ghosting on the outside of the cladding.
- Wood furring strips allow minimal cross ventilation.

Advanced Building Products has the answer...Watairvent® Furring Strips.



The Watairvent® Furring Strip Advantage:

Advanced Building Products has taken the traditional furring strip and re-designed it to function in todays building environment. The benefits include...

» Manufactured from a mold resistant non-absorptive composite material.

» Manufactured with dual vertical and horizontal channels on the front and backside of the furring strip. This allows for dual drainage and cross ventilation. The dual channel design reduces surface area contact by 86% when compared to traditional wooden furring strips.

» Meets the National Building Code of Canada capillary break requirements for high moisture index.

» Meets or exceeds applicable U.S. Building Codes.

» Manufactured with fastening slots to allow for differential movement during installation.

» White in color to match most trim work.

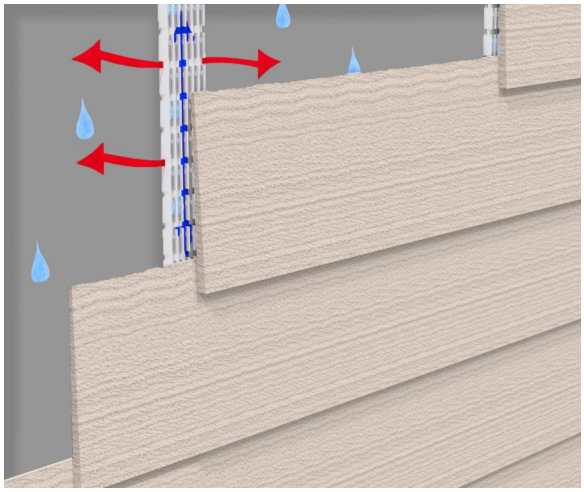
» Will not become brittle and crack during cold weather installations.

» Light-weight and easy to install.

» Helps increase the longevity of wall sheathing and framing by allowing moisture to Drain, Not Remain®.

Watairvent® Furring Strip Product Data:

- .375” X 1.75” X 8’
- 50 pieces per box = 400 lineal feet



Core Design of Watairvent® Furring Strips

1. Solid core for structural stability.
2. Vertical channels for proper drainage and ventilation from the backside of the cladding to the front side of the sheathing.
3. Horizontal channels allow for cross ventilation.

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Watairvent® Furring Strip Installation Instructions:

Installation over 1/2” OSB or plywood intended for clapboard siding

• Install your weather resistant barrier (WRB) of choice over the surface area of the sheathing. Be sure to tape all seams.

• Place Watairvent® Furring Strip horizontally at the base of the wall around the entire perimeter (Diagram A) to prevent bugs from entering the channel.

• Place the Watairvent® Furring Strips vertically every sixteen inches on center aligned with the wood studs (Diagram A). Fasten the Furring Strip with either a 1.75” nail or other approved fastener. It is important to penetrate the studs by at least a 1 1/4”. Per R703.15.2 of 2018 Intl. Residential Code.

Installation over 1” insulation intended for clapboard siding

• Place the WRB of choice between the sheathing and rigid foam insulation. A drainable WRB is preferred.

• Place Watairvent® Furring Strips horizontally at the base of the wall around the entire perimeter to prevent bugs from entering the channel (Diagram A).

• Place the Watairvent® Furring Strips vertically every sixteen inches on center aligned with the wood studs. Be sure your fastener length accounts for the entire depth of the assembly. Follow siding manufacturers installation instructions.

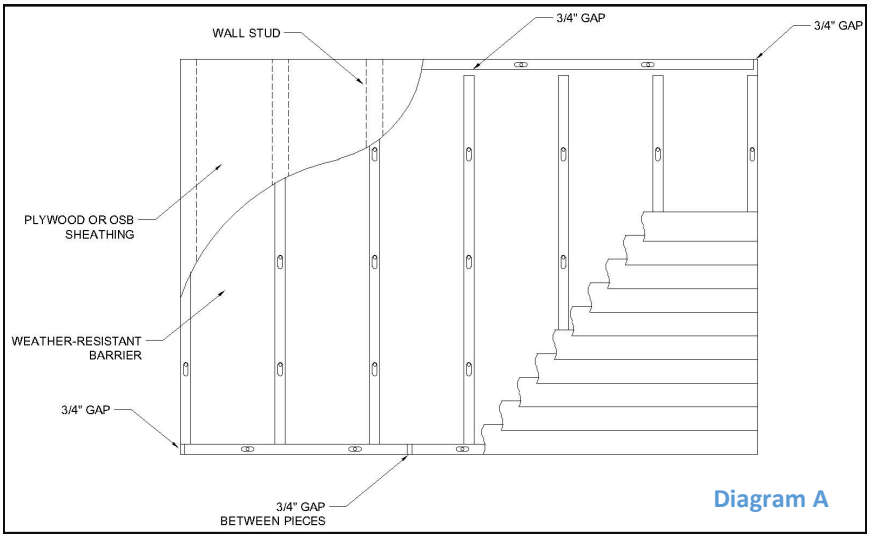

Diagram A

Installation at Windows and Trim

• Flash window per manufacturers recommendations.

• Additional Watairvent® Furring Strips should be installed behind vertical window trim and corner trim.

• Watairvent® Furring Strips should be installed directly up against the windows nailing flange (Diagram B).

• Leave necessary gaps for differential movement. (Diagram B).

• Trim windows and doors per manufacturers recommendations.

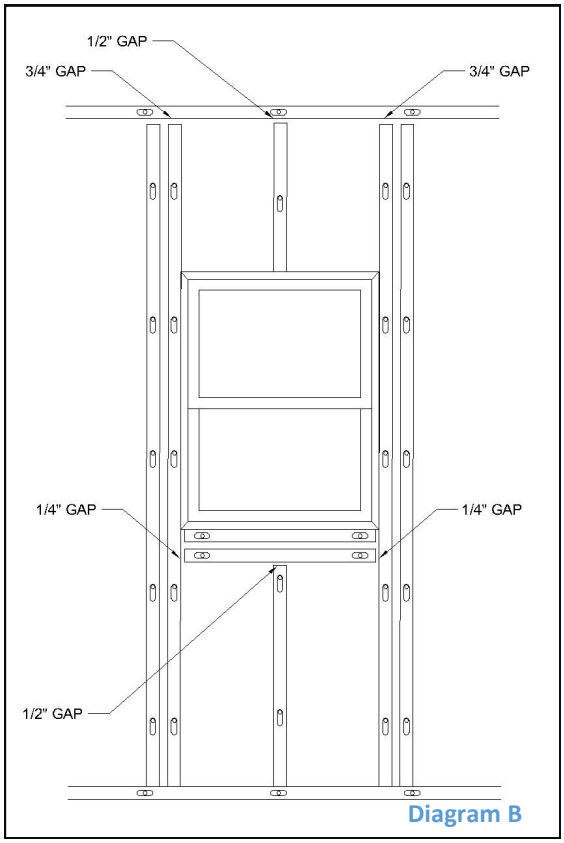

Diagram B

Installation at top of the wall

• Watairvent® Furring Strip can be installed horizontally at the top of the wall. Similar to the base of the wall whereas the furring strip will act as the bug screen and the airflow channels will remain free of debris.

• Leave a .75” gap between vertical and horizontal furring strips to allow for differential movement (Diagram A).

Siding Installation

• Install all wood clapboards and cedar shakes per siding manufacturers recommendations.

Cutting Instructions

• Use a plywood blade installed backwards (often used for cutting vinyl siding) or cutting shears for best results.

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