



## INSTALLATION GUIDE

### Installation Instructions for Wood Shingle/Shake Applications

#### Application Requirements

- All work to conform to a minimum to the regional and national building codes, latest editions, and all other applicable codes, bylaws, and other legal requirements.
- Contractor to verify intended use of products follow manufacture's specifications prior to installation.

#### Recommended Tools

- Safety glasses, safety footwear, gloves
- Utility knife/Hand shears
- Straight edge & Level
- Measuring tape
- Marker pen
- Hammer/nail, staple or screw gun

#### Recommended Materials

- Ventgrid<sup>12</sup>
- Ventrim<sup>10</sup>
- 1" – 1 ¼" Fasteners

#### Roof Preparation

- An appropriate roofing underlayment needs to have been installed as a critical component in the "rain screen" system.

##### Note:

- Roofing underlayment should be installed after drip edge and Ventrim<sup>10</sup>.

#### Ventrim<sup>10</sup> to start off straight

- Install Ventrim<sup>10</sup> at the bottom edge of the roof insuring it is straight as this will act as the starter strip for the installation of the Ventgrid<sup>12</sup>.

##### Note:

- Ventrim<sup>10</sup> is not considered a structural component and therefore, it is not necessary to fill every attachment. Using good judgement, apply enough fasteners to adequately hold the Ventrim<sup>10</sup> in place.
- Staples of sufficient size are an acceptable method to fasten Ventrim<sup>10</sup> to the bottom edge of the roof.
- Flashing or blocking should be installed at gable ends of roof to stop insects and other unwanted debris from entering the air space beneath the shingles/shakes.

#### Layout

- Work from edges and openings using an uncut side of Ventgrid<sup>12</sup> as the starter where ever possible. This way full support is ensured for the terminal ends and edges of the roof cladding.
- Ensure approximately 3mm (1/8") gap between sheets to allow for expansion

##### Note:

- If Ventgrid<sup>12</sup> is installed in temperatures below 0°C (32°F) allow 12mm (1/2") between sheets to allow for expansion.

- Typically, ventgrid<sup>12</sup> is intended to be installed with the studs against the roofing underlayment. However, depending upon cladding type and roof construction it may be more advantageous for it to be turned around with the studs facing out. Ventgrid<sup>12</sup> will accomplish the same ventilation/capillary break qualities regardless of orientation.
- Ventgrid<sup>12</sup> is exactly 12.7mm (1/2") thick. Roof thickness calculations should be made accordingly.

##### Note:

- Ventgrid<sup>12</sup> should not at any time be used to secure safety equipment.

**Tip** - While Ventgrid<sup>12</sup> is considered a "rigid" sheet, it does have some flexibility. Installing the sheet oriented horizontally (in the long direction) will make it easier to handle, especially while standing on a ladder or staging.

#### Cutting

- To cut Ventgrid<sup>12</sup> just score along the top edge of the ribs with a utility knife and snap apart. This method is the fastest and easiest method to allow Ventgrid<sup>12</sup> to be cut to size. Alternatively, any type of heavy duty shears or power tools will allow Ventgrid<sup>12</sup> to be cut.

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## Fastening

- Fasten Ventgrid<sup>12</sup> to the roof using recommended fasteners through the convenient pre-formed attachment holes located at every fourth grid intersection.

### Note:

- Ventgrid<sup>12</sup> is not considered a structural component and therefore, it is not necessary to fill every attachment hole. Using good judgement, apply enough fasteners to adequately hold the Ventgrid<sup>12</sup> in place until roof cladding is applied.
- It is not necessary to fasten Ventgrid<sup>12</sup> to the roof framing.
- Ventgrid<sup>12</sup> permits easy shimming where a bowed or misaligned roof framing member occurs, allowing for a flatter roof after roof cladding is installed.

**Tip** - Ventgrid<sup>12</sup> is a great way to protect the roofing underlayment from wind damage so adding more fasteners may be prudent if high wind conditions are anticipated.

## Roof Cladding Installation

- Roof cladding should be fastened to the roof in accordance with manufacturer's instructions and in compliance with governing code requirements. In all cases, Ventgrid<sup>12</sup> is not intended to fasten roof cladding in place but to perform only as a spacing element to allow proper ventilation and drainage.

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