

## Installation Instructions for Exterior Wall Applications

### Application Requirements

- Please check with local authorities having jurisdiction to ensure applicable building code and by-law compliance.
- Ensure the intended use of ventgrid<sup>12</sup> is in accordance with manufacturer'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>20</sup>
- 1" – 1 ¼" Fasteners

### Wall Preparation

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

#### Note:

- Ventgrid<sup>12</sup> can be applied over rigid wall installation. Care should be taken when fastening so that the standoffs are not forced into the rigid insulation at the fastening locations. Cladding can then be installed in accordance with manufacturer's instructions.

### Ventrim<sup>20</sup> for a level base

- Install ventrim<sup>20</sup> at the base of the walls insuring it is level as this will act as the starter strip for the installation of the ventgrid<sup>12</sup>.

#### Note:

- Ventrim<sup>20</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 ventrim<sup>20</sup> in place.
- Staples of sufficient size are an acceptable method to fasten ventrim<sup>20</sup> to the base of walls.

**Tip** - Before installing ventgrid<sup>12</sup> mark the locations of the studs to allow them to be easily located while installing the cladding material.

### Layout

- Work from corners 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 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 standoffs against the sheathing paper. However, depending upon cladding type it may be more advantageous for it to be turned around with the standoffs 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. Depending upon the detailing desired at openings it may be necessary to shim window and door frames accordingly.

**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.

### Fastening

- Fasten ventgrid<sup>12</sup> to walls 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 cladding is applied.
- It is not necessary to fasten ventgrid<sup>12</sup> to the studs.
- Ventgrid<sup>12</sup> permits easy shimming where a bowed or misaligned wall framing member occurs, allowing for a flatter wall after cladding is installed.

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

### Cladding Installation

- Cladding should be fastened to the walls in accordance with manufacturer's instructions and in compliance with governing code requirements. In all cases, ventgrid<sup>12</sup> is a non-supporting non-structural component intended to perform only as a spacing element to allow proper ventilation and drainage.