



## INSTALLATION GUIDE

### Installation Instructions for Concrete Floor 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>
- Self-levelling compound (if required)
- Geotextile (landscaping fabric)
- Vapour barrier membrane
- Concrete fasteners (Optional)
- Adhesive tape
- Other materials as determined by finished flooring requirements

#### Floor Preparation

- Concrete floor is to be dry and free of debris and is void of mould and mildew fungus.
- The floor should be reasonably level. Bumps or ridges should be removed. In areas with depressions greater than 1/4", self-levelling compound should be used.
- It is recommended that a layer of geotextile (landscaping fabric) should be laid down to reduce the possibility of clacking noises.

#### 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 flooring at the perimeter of the room.
- 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 studs pointing towards the concrete floor. However, depending upon flooring type it may be more advantageous for it to be reversed with the standoffs pointing upwards. Ventgrid<sup>12</sup> will accomplish the same ventilation/thermal break qualities regardless of orientation.
- Ventgrid<sup>12</sup> is exactly 12.7mm (1/2") thick. Floor thickness calculations should be made accordingly.
- During installation care should be taken while walking on unsecured ventgrid<sup>12</sup>.

#### 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

- Fastening ventgrid<sup>12</sup> to the concrete floor is not required. However if fastening is preferred it can be accomplished using the convenient pre-formed attachment holes located at every fourth grid intersection.

#### Note:

- Ventgrid<sup>12</sup> permits easy shimming where depressions occur, allowing for a flatter floor after flooring is installed.

#### Flooring Installation

- Placing a vapour barrier membrane directly over ventgrid<sup>12</sup> is recommended.
- Flooring should be installed in accordance with manufacturer's instructions and in compliance with governing code requirements. In all cases, ventgrid<sup>12</sup> is not intended to anchor flooring in place but to perform only as a spacing element to allow proper ventilation and to allow moisture to escape.

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[www.ventgrid.com](http://www.ventgrid.com)

50 Queen Street, Chester, NS B0J 1J0 Canada

E-mail: [info@ventgrid.com](mailto:info@ventgrid.com)

Phone: 1-902-273-3051