

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 ventgrid¹² 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

- Ventgrid¹²
- 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 Ventgrid¹² 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 Ventgrid¹² is installed in temperatures below 0°C (32°F) allow 12mm (1/2") between sheets to allow for expansion.
- Typically, Ventgrid¹² 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. Ventgrid¹² will accomplish the same ventilation/thermal break qualities regardless of orientation.
- Ventgrid¹² is exactly 12.7mm (1/2") thick. Floor thickness calculations should be made accordingly.
- During installation care should be taken while walking on unsecured Ventgrid¹².

Cutting

- To cut Ventgrid¹² 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 Ventgrid¹² to be cut to size. Alternatively, any type of heavy duty shears or power tools will allow Ventgrid¹² to be cut.

Fastening

- Fastening Ventgrid¹² 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:

- Ventgrid¹² permits easy shimming where depressions occur, allowing for a flatter floor after flooring is installed.

Flooring Installation

- Placing a vapour barrier membrane directly over Ventgrid¹² is recommended.
- Flooring should be installed in accordance with manufacturer's instructions and in compliance with governing code requirements. In all cases, Ventgrid¹² 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.