

Stravifloor Channel (Panelized)

Installation Manual

stravifloor
by CDM Stravitec

Installation Tools and Components

- Utility knife
- Pen or marker
- Tape measure
- Cross line laser (optional)
- Chalk line with gear ratio
- Angle grinder or metal chop saw
- Hand-held circular saw and/or jigsaw
- Screwdriver and screws
- Adhesive spray
- Industrial grade self-adhesive tape
- Personal protective equipment (PPE)

1 / Supporting Floor & System Components

Unpack and unroll all the system components and allow them to acclimatize for 24 hours prior to installation.

The flatness of the supporting floor should be a maximum of 1/8" (3 mm) over 10' (3 m) and 1/16" (1,5 mm) over 24" (60 cm) (according to ASTM E1155-14, ACI 302) to ensure a successful installation. Ensure that the installation area is watertight and the supporting floor is dry and clean prior to installation.

2 / Perimeter Strip

All walls, columns and service penetrations through the floating floor should be isolated using a Perimeter Strip.

The height of this isolation should be the distance between the supporting floor and the finished level of the floating floor.



3 / Channel Installation

Install pads and channels per the shop drawings. Isolated channels are to be installed loose laid without the use of mechanical fixings or adhesive.

4 / Absorption Layer

Ensure that the thickness of the mineral wool is a few inches/mm thinner than the depth of the void – it is worth remembering that the void will decrease once the floor is in use and fully loaded.

Install the CDM Stravitec provided batt insulation in between the channels.



The insulation is for acoustical purposes and may not be full coverage. The insulation should never be installed under the channels.

5 / Board Layer 1

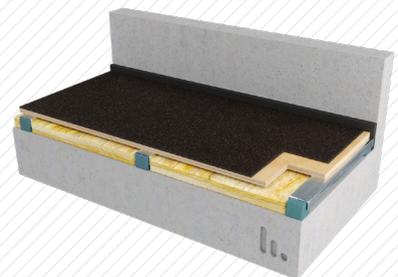
Lay the first layer of board (plywood or OSB) onto the channels and mechanically fix them to the channels using a screw that is short enough not to make contact with the supporting floor underneath.

All board joints should be located at the center of a channel so that the joint is supported.

6 / Damping Layer (optional)

Loose lay the Damping Layer sheet over the first board layer without any overlaps and ensure the entire floor is covered.

Stagger the Damping Layer sheets so that the joints are not located in the same place as the board joints underneath.



7 / Board Layer 2

The second board layer must be installed perpendicular to the first board layer.

All layers must now be mechanically fixed together using screws which are short enough not to make contact with the supporting floor underneath. Fasteners shall be 1' on center around the perimeter and in the field.

8 / Floor Covering & Other Finishing Details

Install the final floor finish using the manufacturers installation instructions.

Leave a small gap around the perimeter of the room to ensure that the final floor finish is not rigidly connected to the surrounding walls.

9 / Trim & Caulk Perimeter

Trim any excess perimeter isolation material to the finished floor height and seal around the perimeter with a suitable elastic caulk.



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