

Stravifloor Batten (Concrete)

Installation Manual

Installation Tools and Components

- Stanley knife
- Ink marker
- Pocket tape measure
- Cross line laser (optional)
- Chalk line with gear ratio
- Hand-held circular saw and/or jigsaw
- Battery powered screwdriver (+ screws)
- Staple gun (optional) (to fix PE film to formwork)
- Adhesive spray and tape (if the perimeter isolation is done with a material different than the self-adhesive CDM Stravitec's Perimeter Strip)
- Manual transpallet (optional)
- Personal protective equipment (PPE)

1 / Subfloor & System Components Preparation

The structural floor should comply with the required tolerances prior to installation of the CDM Stravitec floating floor:

- Levelness: ± 7 mm measured with a 2 m straightedge.
- Flatness / smoothness: ± 3 mm dips or peaks measured with a 0.2 m straightedge (or 2 m straightedge, as applicable).

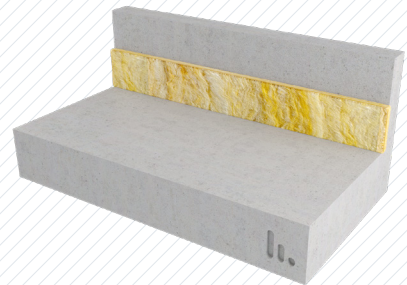
The subfloor should be dry and free from debris (dust, dirt, grease, foreign objects) prior to installation.

Unpack and unroll the various components and allow them to acclimatise to their environment for 24 hours or more before installation.

2 / Perimeter Isolation

All walls, columns and service penetrations through the floating floor should be isolated using Perimeter Strip self-adhesive backed isolation or strips of mineral wool.

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



3 / Stravifloor Batten Installation

Stravifloor Batten battens can be loose laid without the use of mechanical fixings or adhesive, if the supporting floor has a tolerance of 0.1% or a gradient of 1 mm/m.

Fasten the Stravifloor Batten battens to the structural floor with screws if the floor has an inclination (up to 50 degrees). The MDF strips on the outside of the Stravifloor Batten battens already contain 4 pre-drilled screw holes.

4 / Absorption Layer

Ensure that the thickness of the mineral wool is a few millimeters 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 mineral wool in between the Stravifloor Batten battens.

5 / Lost Formwork

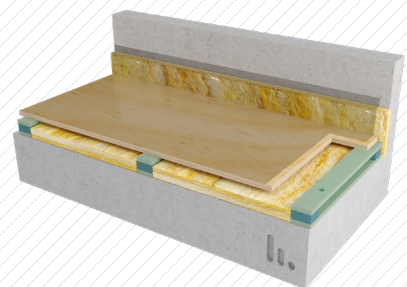
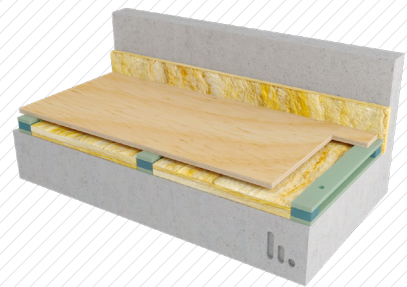
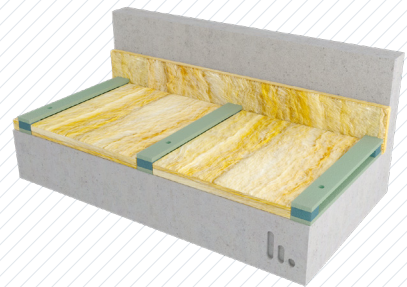
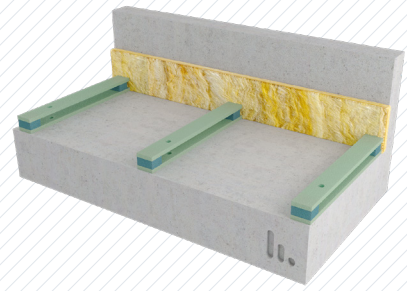
Loose lay the lost formwork (such as OSB, plywood or steel plate) perpendicular to the Stravifloor Batten battens and mechanically fix the two together. Make sure that the screw is not too long so that it cannot make contact with the supporting floor underneath.

Take care to ensure that all board joints are located at the centre of a Stravifloor Batten battens so that the joint is supported.

6 / Polyethylene Sheeting Protection Layer

A layer of building grade polythene plastic sheeting should be installed over the entire area and continued up the wall to cover the perimeter isolation strip and then be secured to the wall using a 50 mm wide industrial grade self-adhesive tape.

All overlaps should be a minimum of 100 mm and sealed using the same tape. Ensure the polythene is fitted neatly into the corner areas of the floor to avoid any pocketing which could result in a reduction of slab thickness in these areas.



7 / Concrete Pour

Install the reinforcement mesh ensuring that the protection layer does not get punctured – any punctures should be repaired with sections of polythene and taped securely into place.

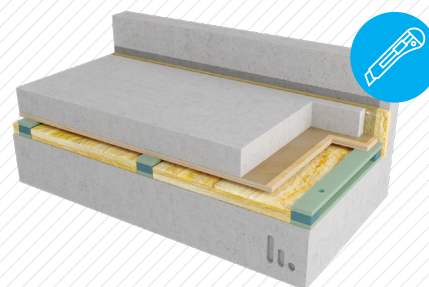
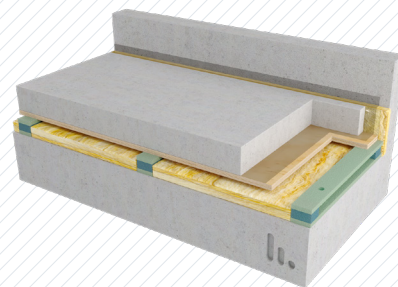
Concrete can now be poured to the required thickness.

8 / Trim & Caulk Perimeter

Trim any excess of the Perimeter Strip or other type of perimeter isolation material to the finished floor height. Seal with elastic caulking.



If the Stravifloor Batten floating floor system is a different height to the surrounding structure an edge profile will be required. If a rigid edge profile is used ensure that the height of it is less than the height of the total floor system so that it does not make contact with the supporting floor.



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