

Stravifloor Prefab^{*} Datasheet



CHARACTERISTICS

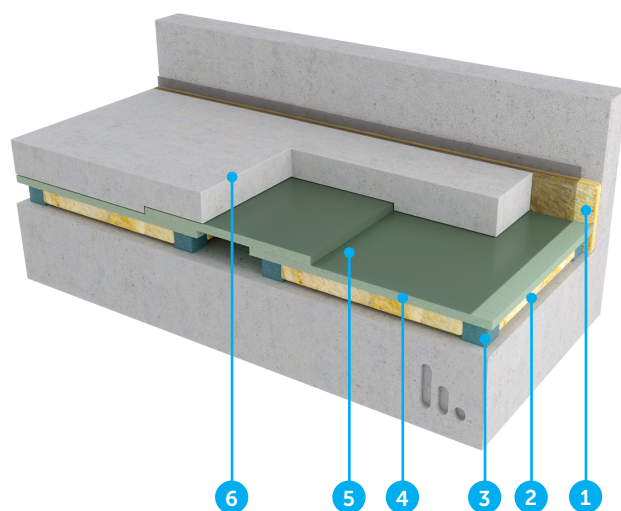
- Discrete isolators are glued to a formwork board (MDF or fibrocement) at the factory according to a specific pattern defined at the design stage
- Suitable for wet (concrete pour) and dry (panelized) systems
- Stravifloor Prefab can be assembled with elastomer bearings giving a natural frequency as low as 6Hz, or spring mounts giving a natural frequency of 2.5Hz
- Sound absorbing material is fixed to the underside of the formwork panels
- Fast and easy installation, resulting in a cost effective solution
- Installation drawings show the location of each panel
- Stravifloor Prefab is easily installed like a jigsaw puzzle (reduced risk of installation errors)
- Allows services to be installed within the air void
- Adaptable installation height

^{*}Previously known as CDM-FLOAT



SYSTEM COMPONENTS⁽¹⁾

1. Perimeter isolation (Perimeter Strip or mineral wool)
2. Mineral wool
3. Elastomeric pads or springs
4. Lost formwork
5. Polyethylene sheeting
6. Concrete slab

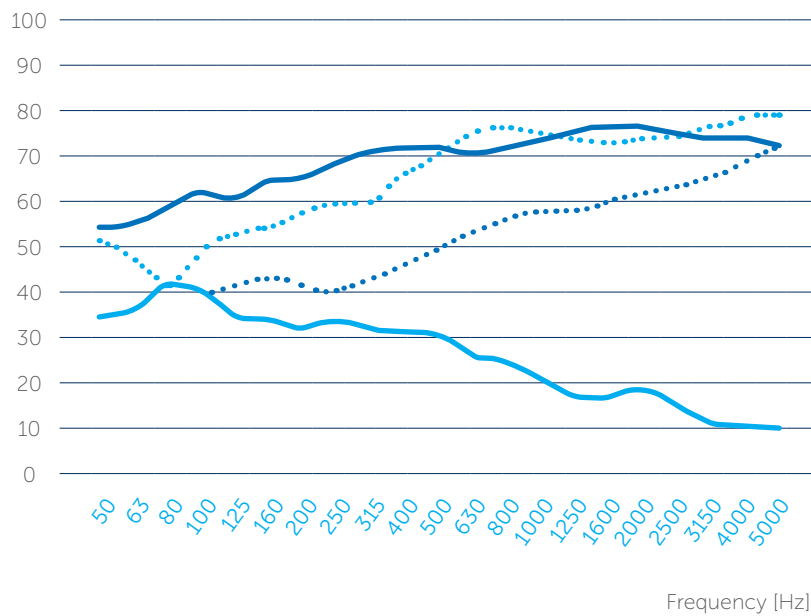


⁽¹⁾the components and dimensions of the Stravifloor Prefab system are always project-specific.

Test Report A-2015_ZO_198-G045/046 by ECO-SCAN⁽²⁾ - Test Setup

- 100 mm reinforced concrete slab
- Lost formwork panel MDF 18 mm & PE-foil 0,2 mm
- Isolator Pad-M 50x50x50 mm (with 36 mm overheight)
- 80 mm mineral wool
- 140 mm reinforced concrete slab

Acoustical Isolation

 L_n / R [dB]

- R
- R (bare slab)
- L_n
- $L_{n,0}$ (bare slab)

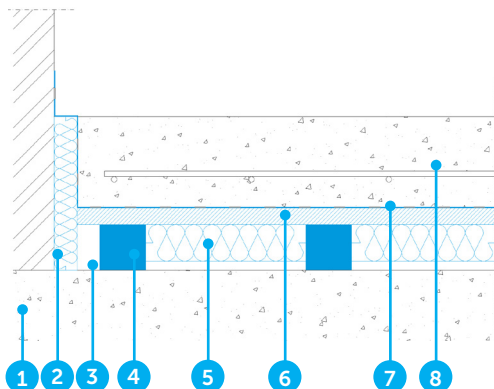
R_w (C, C _{tr}) bare slab	R_w (C, C _{tr}) system	$L_{n,w}$ (C _i) bare slab	$L_{n,w}$ (C _i) system	$\Delta L_{w,r}$ (C _i)
54 (-1,-4) dB	71 (-2,-6) dB	81 (-12) dB	29 (0) dB	48 (-12) dB

⁽²⁾Test report available upon request



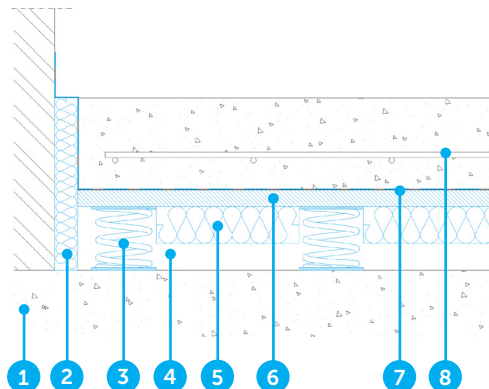
TYPICAL ASSEMBLIES

Stravifloor Prefab with elastomeric pads



1. Structural slab
2. Perimeter Strip
3. Air void
4. CDM Stravitec elastomeric pads
5. Insulation material
6. Lost formwork
7. Polyethylene foil
8. Reinforced concrete slab

Stravifloor Prefab with springs



1. Structural slab
2. Perimeter Strip
3. CDM Stravitec springs
4. Air void
5. Insulation material
6. Lost formwork
7. Polyethylene foil
8. Reinforced concrete slab

Note: an installation manual is available upon request.

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