

Stravifloor Mount*

Datasheet



Stravifloor Mount is a [discrete pad](#) floating floor system and is designed for fast and easy installation.

CDM Stravitec elastomeric bearings ensure a high-performance floating floor, providing exceptional structure-borne and airborne noise isolation.

The system can be installed with normal-weight concrete, lightweight concrete, or panelized floor systems using plywood or cement board.



CHARACTERISTICS

- Fast and easy installation
- Typical pad spacing of 12" (300 mm), 16" (400 mm), 24" (610 mm) o.c.
- Suitable for wet/concrete systems as well as for dry systems
- Standard thickness of 2" (50 mm) and 1-3/16" (30 mm)
- Load-bearing capacities from 14.5 psi (0.1 MPa) to 440 psi (3 MPa) per pad
- Available with natural rubber pads (HR) as standard resilient support
- Available with AASHTO-grade neoprene rubber pads (AR), upon request
- Outstanding Kstat to Kdyn ratio provides low resonant frequency at minimal deflection
- Stravifloor Mount floor system uses elastomeric isolators with low stiffness/high resilience allowing natural frequencies as low as 6Hz
- CDM Stravitec pads offer extremely low and constant resonant frequency over a wide load range
- Durable and extremely low creep rate
- Isolation pads are mold and water resistant
- Offer unparalleled flexibility in design, layout, acoustic and load bearing capacity
- Customizable to meet height restrictions, achieve higher performance levels or bear higher loads
- 1" (25 mm) to 2" (50 mm) void for maximum airborne sound isolation performance

*Previously known as CDM-DPM



Stravifloor Mount

<p>Components CDM Isolation pads, pre-cut batt insulation & Perimeter Strip</p>	<p>Typical Pad Spacing 12" (30 cm), 16" (40 cm), 24" (60 cm) o.c.</p>
<p>Dimension 4' (122 cm) x 8' (244 cm) sheets; rolls</p>	<p>Thickness 2" (50 mm) and 1-3/16" (30 mm)⁽¹⁾</p>

⁽¹⁾Other thicknesses available upon request.

Pads Color Code

Natural Rubber (HR)

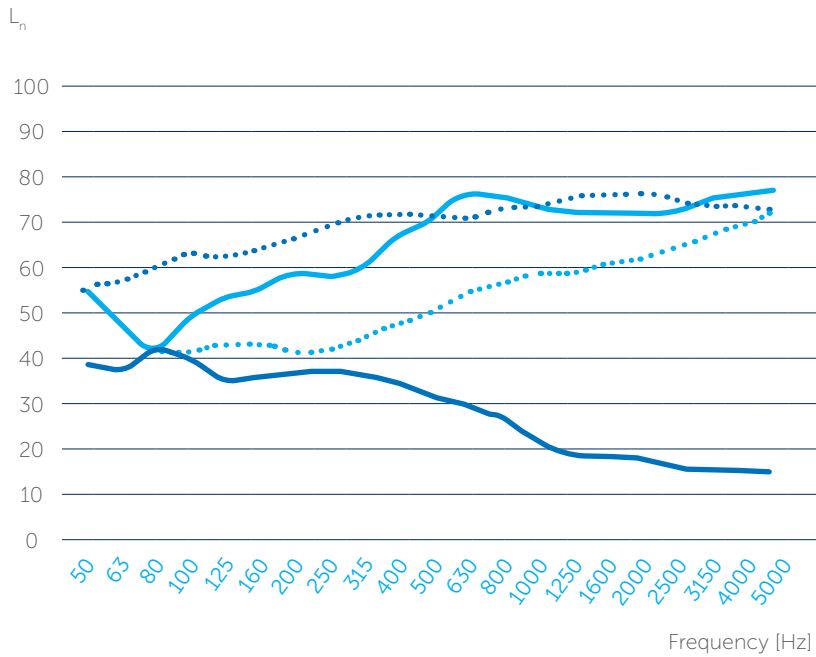
- Pad-M 
- Pad-H 
- Pad-X  (black pad marked with the company logo in green)



Test report A-2015_ZO_198-G033/034 by ECO-SCAN⁽³⁾ - Test Setup

1. 4" (100 mm) floating concrete slab
2. Lost formwork plate MDF 0.7" (18 mm) & PE-film 1/64" (0.4 mm)
3. Isolator Pad-M 2x2x2" (50x50x50 mm)
4. 1.57" (40 mm) insulation material
4. 5-1/2" (140 mm) structural concrete slab

Acoustical Isolation



- R
- R (bare slab)
- Ln
- Ln,0 bare slab)

Bare Slab STC	STC	Bare Slab IIC	IIC	ΔIIC
55	70	27	79	48

⁽³⁾ Test report available upon request.

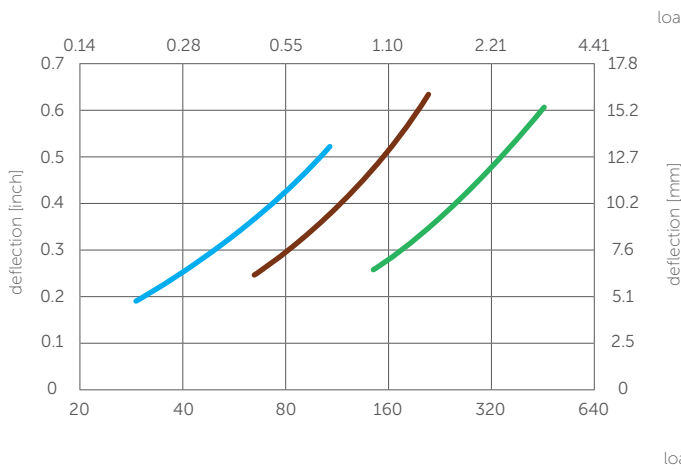


PHYSICAL & MECHANICAL PROPERTIES OF NATURAL RUBBER PADS

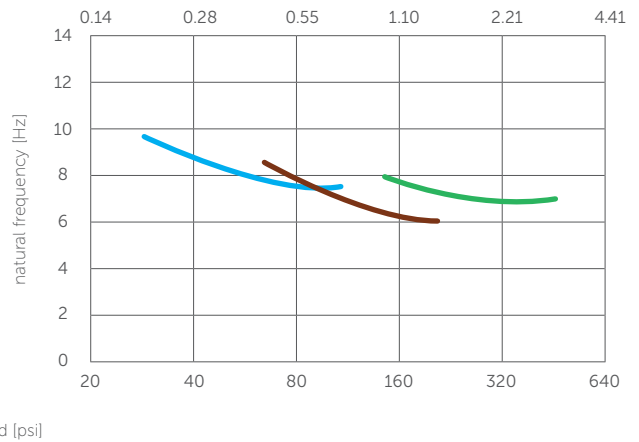
Type	Degree of stiffness	Color	Shore hardness ASTM D2240	Tensile strength ISO 37	Elongation at break ISO 37	Compression set 50%/73°F(23°C)/70h ISO 815
Pad-M	Medium	Blue	40 A	290 psi (2 MPa)	> 300%	< 15%
Pad-H	High	Brown	55 A	754 psi (5.2 MPa)	> 400%	< 15%
Pad-X	Extra High	Green	73 A	870 psi (6 MPa)	> 200%	< 15%

Note: working temperature between 14°F (-10°C) and 212°F (100°C) (momentary higher temperatures are acceptable).

Deflection vs Load



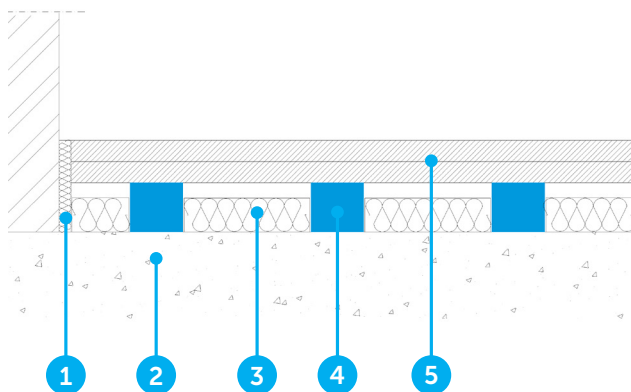
Natural Frequency vs Load



- Pad-M50 [2" (50 mm)]
- Pad-H50 [2" (50 mm)]
- Pad-X50 [2" (50 mm)]

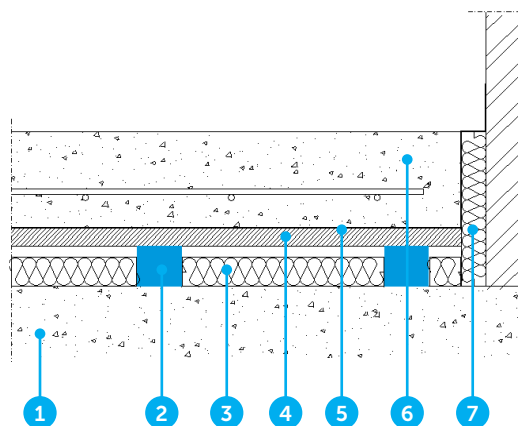


Wood Floating Floor



1. Perimeter Strip
2. Structural slab
3. Insulation material
4. CDM Stravitec rubber pads
5. Load distribution layer (e.g.: plywood raft)

Concrete Floating Floor



1. Structural slab
2. CDM Stravitec rubber pads
3. Insulation material
4. Lost formwork
5. PE-film (poly sheeting)
6. Reinforced concrete slab
7. Perimeter Strip

Note: an installation manual is available upon request.

DISCLAIMER

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