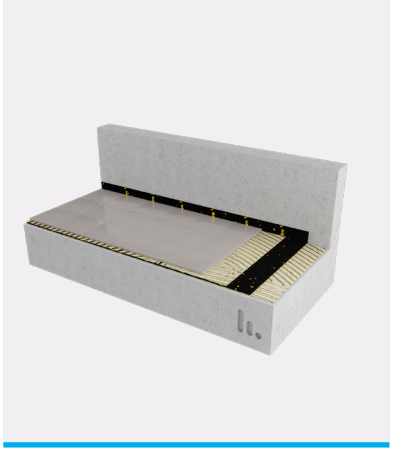

Stravifloor Mat-F4.5$_e$ (as underlay) Datasheet

Resilient acoustic underlayment made of agglomerated recycled SBR (Styrene Butadiene Rubber) with PU (polyurethane) elastomer bonding agent for impact noise insulation for different types of flooring: glued and non-glued flooring.

SYSTEM COMPONENTS & DIMENSIONS

- Mat dimension: 1 m x 7 m x 4.5 mm
- Pallet information: 35 rolls/pallet - 23 kg/roll
- Pallet size: 1.22 m x 1.15 m x 1.20 m
- Pallet weight: 820 kg

PHYSICAL & MECHANICAL PROPERTIES

Physical & Mechanical Properties

Max. total load 0.1 MPa	**Max. occasional load** 0.25 MPa	**Density**[1] 880 kg/m^3	**Surface weight**[1] 3.96 kg/m^2 (±5%)
Max. dynamic stiffness[2] 152 MN/m^3	**Squareness**[3] ≤ 5 mm/m	**Compressibility**[4] ≤ 0.3 mm	**Compressive stress at 10%, σ10%**[5] ≥ 38.7 kPa
Max. change of the relative deformation, Δε1[6] [7] < 5%		**Resistance to breaking**[8] Pass[9]	
Compressive creep @20 kPa, X_{ct}[10] **- [10 years]** 0.13 mm		**Total thickness reduction @20 kPa, X_t**[10] **- [10 years]** 0.42 mm	

[1]ISO 845 - [2]ISO 9052-1 & ISO 7626-5 - [3]EN 824 - [4]EN 12431 - [5]EN 826 - [6]EN 1605 - [7]Δε corresponds to the difference between the relative deformation ε1 after step A [23 ± 5) °C / (48 ± 1) h] and ε2 after step B [(70 ± 1) °C / (168 ± 1) h] - [8]EN 14499 - [9]Cracks longer than 50 mm weren't observed - [10]EN 1606:2013

Thermal Properties

Temperature range -30°C / 80°C	**Reaction to fire**[1] Class E	**Thermal conductivity**[2] 0.1381 W/m°C	**Thermal resistance**[2] 0.033 m^2°C/W

[1] ISO 11925-2 & EN 13501-1 - [2]EN 12664

Notes:
The emission of volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) was assessed according to EN 16516.
The specific organic compounds polyaromatic hydrocarbons (PAH) and Benzo(a)pyrene (B[a]P) were determined according to AfPS GS 2014:01.
The content of nitrosamines was determined according DIK-Method: AA-3.3.1.4 "Analytical method for the determination of N-nitrosamines, version 1, 2022-01".

Test report available upon request.

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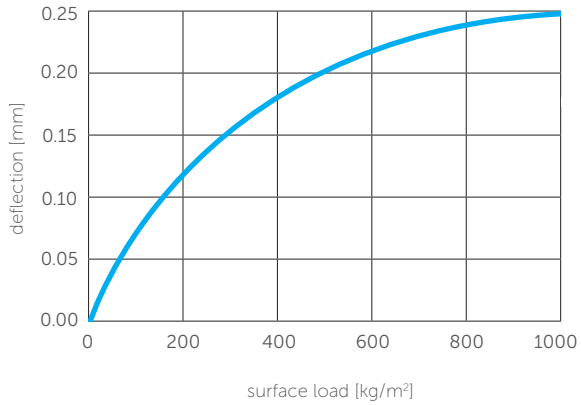
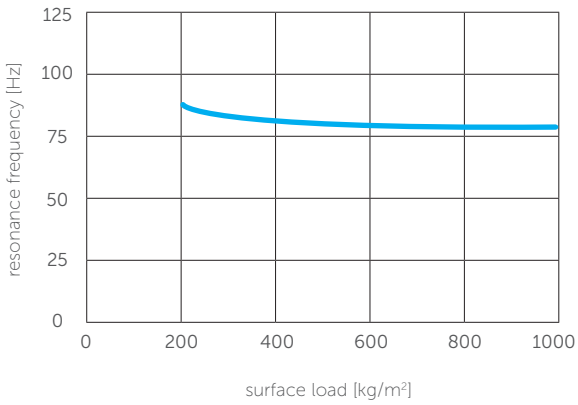




ACOUSTICAL RESULTS

Test Reports ACL 336/22, ACL 337/22 and ACL 338/22 by Itecons*

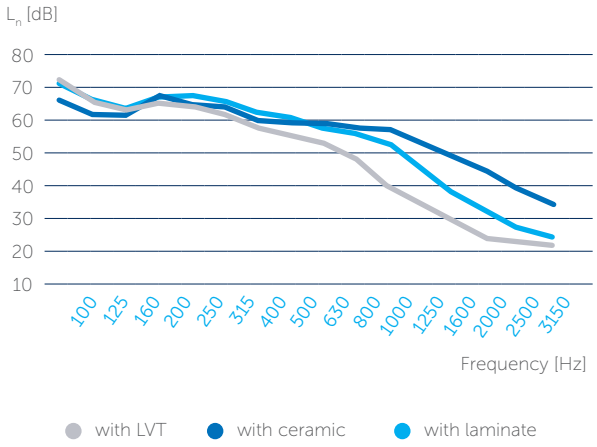
Test setup from bottom to top:

1. Standard reinforced concrete floor (140 mm)
2. Stravifloor Mat-F4.5$_e$
3. Floor covering

*Laboratory report available upon request

	L_{nw} (C_i)	ΔL_w ($C_{i,\Delta}$)
bare slab	78 (-11)	-
with LVT[1]	59 (1)	19 (-12)
with ceramic	59 (0)	19 (-11)
with laminate	61 (0)	17 (-11)

[1]Luxury Vinyl Tile



Other Stravifloor Mat assemblies available on our test data platform Stravi-dB.

SCAN ME

DISCLAIMER

When installing Stravifloor Mat-F4.5$_e$ as an underlay under an elastic flooring such as vinyl or LVT (Luxury Vinyl Tile), it is recommended to include a separating or levelling layer, such as SCHÖNOX DS or an equivalent product, to prevent plasticiser migration and possible discoloration of the flooring. Additionally, ensure that the flooring thickness meets or exceeds that of the underlay for optimal performance. CDM Stravitec does not assume responsibility for the compatibility of the Stravifloor Mat-F4.5$_e$ with the chosen flooring material. It is essential to consult the manufacturer or supplier for guidance and follow their recommendations accordingly.

This information is accurate to the best of our knowledge at the time of issue. Information, data and recommendations provided are based on industry accepted testing and prior product usage. It is intended as descriptive of the general capabilities and performance of our products and does not endorse applicability for any particular project. We reserve the right to change products, performance, and data without notice. This document replaces all information supplied prior to the publication hereof.

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