

Acoustic Floor Mat 35 Data Sheet

Application area Impact sound insulation underneath screed flooring

- Supermarkets
- Fitness studios
- Hospitals and nursing homes
- Mechanical rooms
- Timber construction

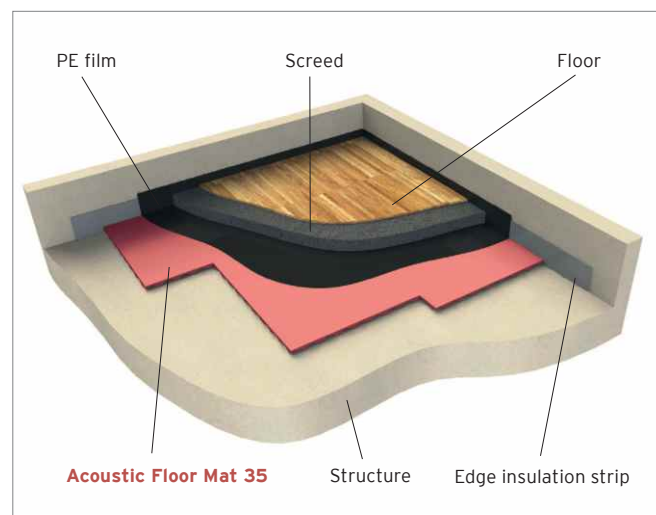
Material

100 % polyurethane

Colour

Bordeaux-red

Improvement of impact sound 35 dB
according to ISO 717-2

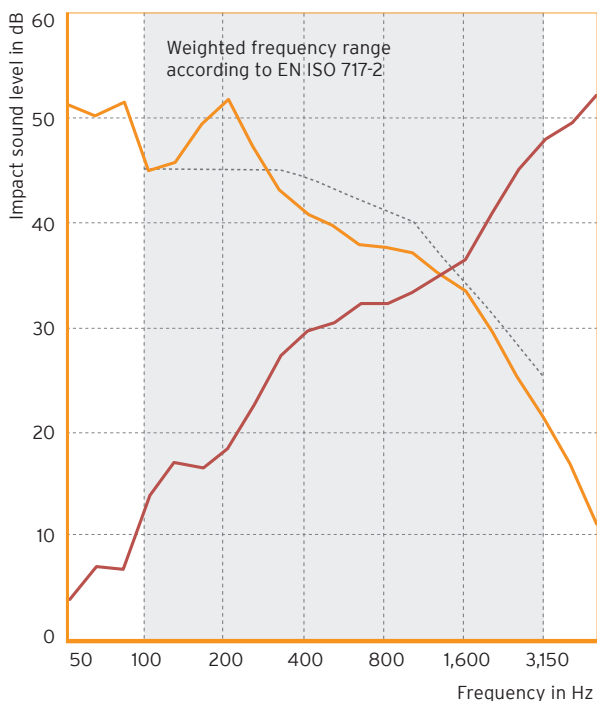


Advantages and benefits

- Highly effective over the entire load range
- Low installed height – particularly suitable for refurbishments
- Quick installation – does not need to be bonded to the foundation
- Easy handling
- Outstanding performance over lifetime of the building

Product properties		Test methods	Comment
Load range	2,500 kg/m ²		
Thickness	16 mm	EN 12431	
Dyn. stiffness s_t'	≤ 5 MN/m ³	EN 29052-1	
Compressibility c ($d_L - d_B$)	≤ 2 mm	EN 12431	
Flammability	class E	EN ISO 11925-2	normal flammable, EN 13501-1
Thermal conductivity	0.06 W/mK	EN 12667	
Temperature range	-30 °C to 70 °C		higher temperatures possible for short periods
Weighted impact sound insulation ΔL_w	35 dB	EN ISO 10140-3	EN ISO 717-2

Impact sound insulation according to EN ISO 10140-3



f in Hz	L_n in dB	ΔL in dB
50	51.4	4.1
63	50.4	7.1
80	51.6	6.9
100	45.0	14.1
125	45.8	17.1
160	49.7	16.6
200	52.0	18.5
250	47.5	22.6
315	43.3	27.4
400	40.9	29.8
500	39.9	30.6
630	38.0	32.5
800	37.8	32.5
1,000	37.2	33.3
1,250	35.5	35.0
1,600	33.6	36.6
2,000	29.6	41.0
2,500	25.5	45.3
3,150	21.4	48.1
4,000	17.0	49.8
5,000	11.2	52.4

— Measured curve
 - - - Reference curve
 — Improvement of impact sound

Test assembly:
 90 mm floating mass (215 kg/m²)
 16 mm AFM 35 (s_v 5 MN/m³)
 140 mm reinforced concrete ceiling (350 kg/m²)

Standard delivery dimensions, ex warehouse

Thickness: 16/9 mm wave-shaped profile
 Panels: 1500 x 750 mm
 Pallet: 70 items (78.75 m²)

Installation instructions and tender specifications

Additional information can be found on our website at www.getzner.com



All information and data is based on our current level of knowledge. It can be used in calculations and for reference purposes. It is subject to typical manufacturing tolerances and does not represent warranted properties. Subject to change without notice.

