

Acoustic Floor Mat 29

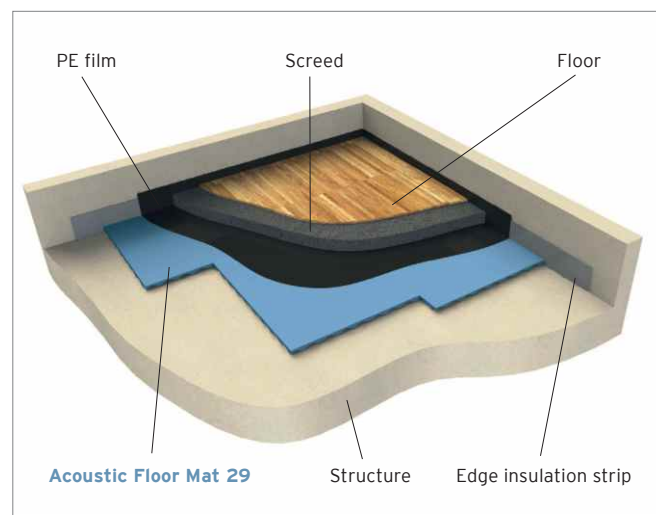
Data Sheet

Application area Impact sound insulation underneath screed flooring

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

Material 100 % polyurethane
Colour Steel-blue

Improvement of impact sound 29 dB
according to ISO 717-2

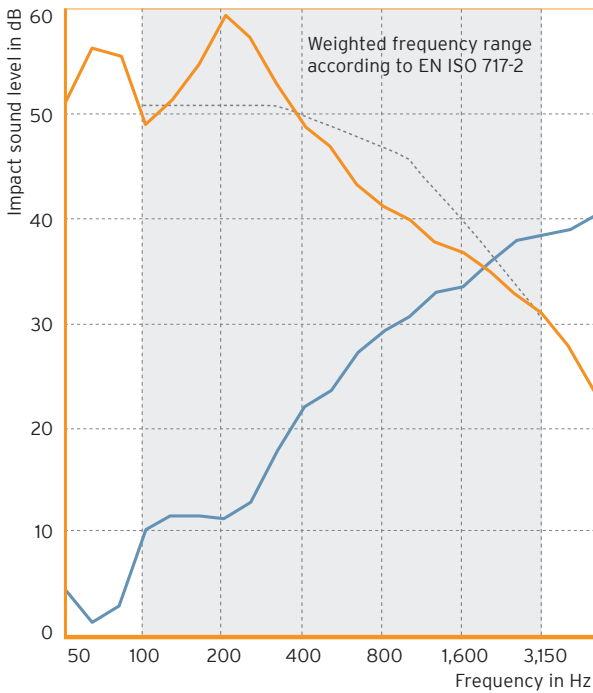


Advantages and benefits

- High load capacity
- 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	5,000 kg/m ²		
Thickness	11 mm	EN 12431	
Dyn. stiffness s_t'	$\leq 12 \text{ MN/m}^3$	EN 29052-1	
Compressibility $c (d_L - d_B)$	$\leq 1 \text{ mm}$	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	29 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	51.1	4.4
63	56.3	1.2
80	55.7	2.8
100	49.0	10.1
125	51.5	11.4
160	54.9	11.4
200	59.5	11.0
250	57.5	12.6
315	52.9	17.8
400	48.7	22.0
500	47.0	23.5
630	43.4	27.1
800	41.1	29.2
1,000	39.9	30.6
1,250	37.7	32.8
1,600	36.7	33.5
2,000	34.9	35.7
2,500	32.8	38.0
3,150	31.0	38.5
4,000	27.8	39.0
5,000	23.4	40.2

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

Test assembly:
 80 mm cement screed (190 kg/m²)
 12 mm AFM 29 (s_v' 12 MN/m³)
 140 mm reinforced concrete ceiling (350 kg/m²)

Standard delivery dimensions, ex warehouse

Thickness: 11/6 mm wave-shaped profile
 Panels: 1500 x 750 mm
 Pallet: 100 items (112.5 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.

