

UPGREI

UNDER SCREED ACOUSTIC INSULATION



PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE PRODUCT

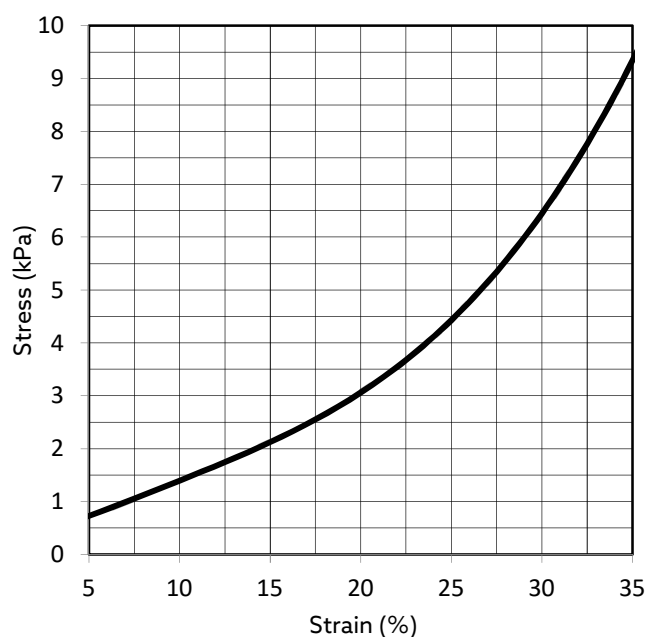
■ PHYSICAL CHARACTERISTICS

Thickness	EN 12431	mm	10	± 10%
Length	EN 822	m	5,00	-0 /+3%
Width (including 4 cm overlapping band)	EN 822	m	1,04	± 0,8%
Mass per unit area	EN 1602	kg/m ²	2,65	± 10%

■ TECHNICAL CHARACTERISTICS

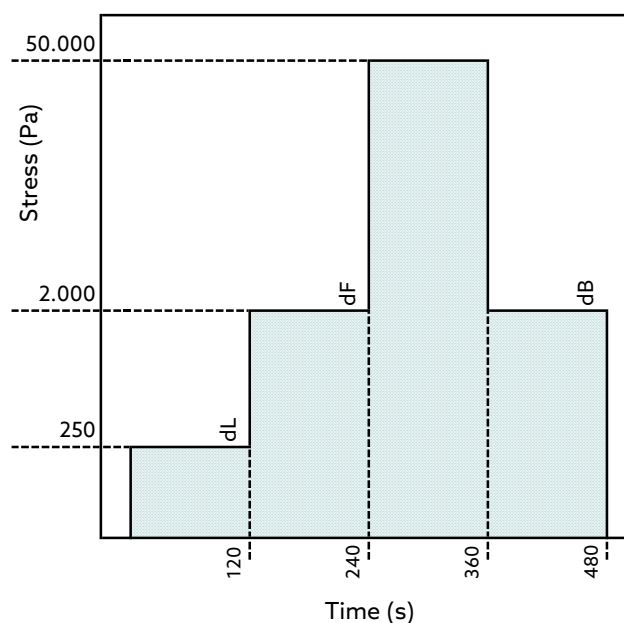
Compressibility c	EN 12431	mm	2,2
Creep deformation at time Xct - 10 years	EN 1606	mm	1,3
Strain at time ε_t - 10 years	EN 1606		24%
Thermal conductivity coefficient λ	EN 12667	W /m K	0,043
Water vapour diffusion resistance factor μ	EN 12086		9
Water vapour transmission Sd	EN 12086	m	0,075
Reaction to fire	EN 13501-1		E
Maximum traffic load		kg/m ²	≤ 1.500

■ COMPRESSION BEHAVIOR



Stress at 10%	σ_{10}
EN 826	kPa $\geq 1,40 \pm 10\%$

■ THICKNESS AND COMPRESSIBILITY



Thickness	dL	dF	dB
UNI EN 12431	mm 10,4	9,4	8,3 ± 10%

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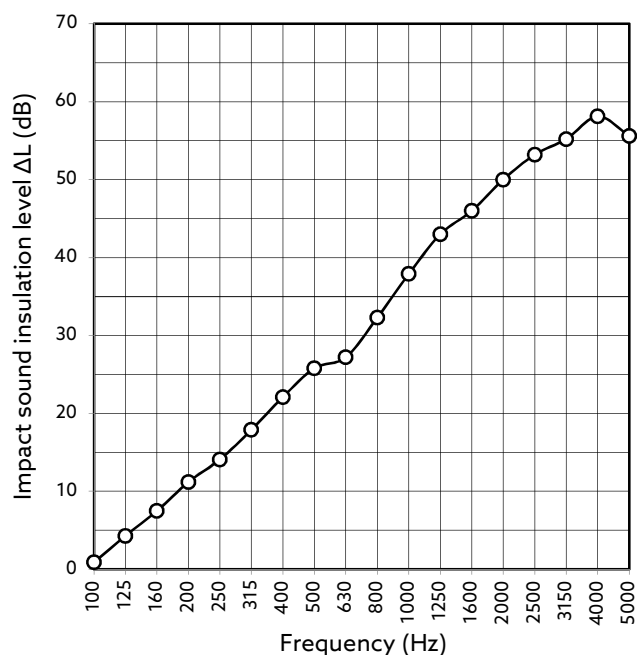
■ DYNAMIC STIFFNESS

Test Report Istituto Giordano n. 381962

UNI EN 29052-1

$s' = 6 \text{ MN/m}^3$

■ IMPACT SOUND PRESSURE LEVEL ATTENUATION



ON REFERENCE STANDARD FLOOR

Frequency Hz	ΔL dB
100	0,9
125	4,3
160	7,5
200	11,2
250	14,1
315	17,9
400	22,1
500	25,8
630	27,2
800	32,3
1000	37,9
1250	43,0
1600	46,0
2000	50,0
2500	53,2
3150	55,2
4000	58,1
5000	55,6

EN ISO 10140-3 Laboratory measurement of the acoustic insulation of building elements. Impact sound insulation measurement

Evaluation index of the reduction of standardized level of impact noise EN ISO 717-2:

$\Delta L_w = 26 \text{ dB}$

Test description:
- 150 mm reinforced concrete floor
- Uppgrei
- 50 mm sand-cement screed

Test Report Istituto Giordano n. 381698