

UPROLL

UNDER SCREED ACOUSTIC INSULATION



PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE PRODUCT

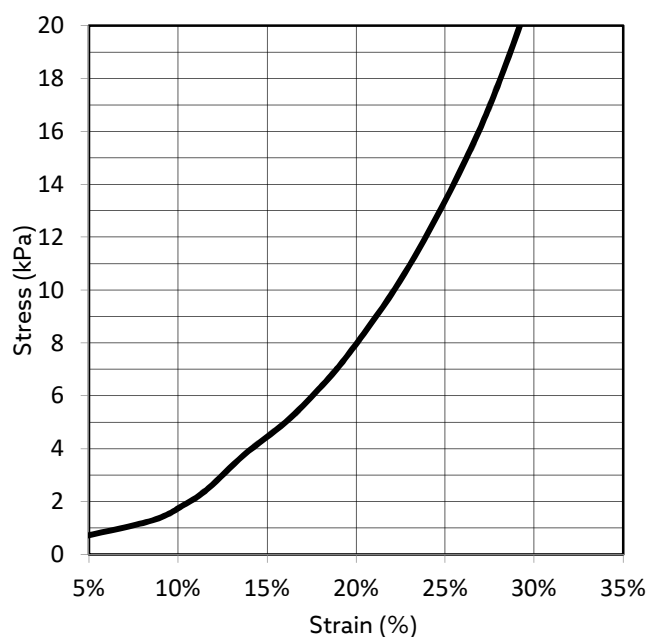
■ PHYSICAL CHARACTERISTICS

Thickness	EN 12431	mm	9	± 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	3,10	± 10%

■ TECHNICAL CHARACTERISTICS

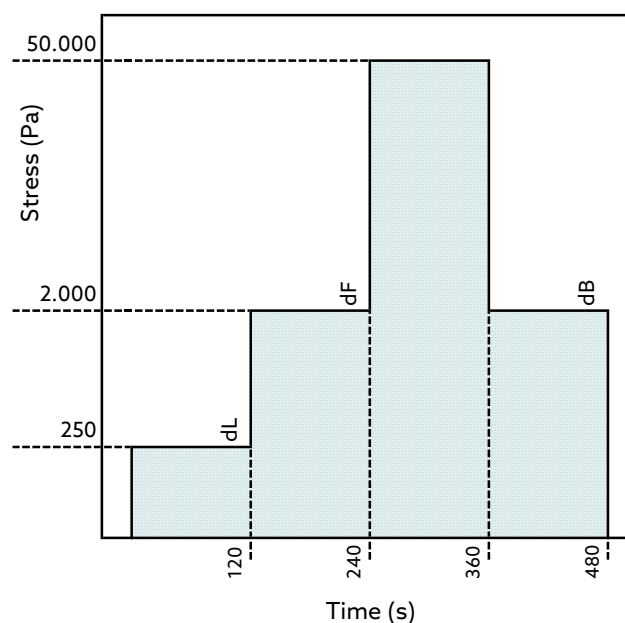
Compressibility c	EN 12431	mm	1,7
Creep deformation at time Xct - 10 years	EN 1606	mm	1,1
Strain at time ϵ_t - 10 years	EN 1606		25%
Thermal conductivity coefficient λ	EN 12667	W /m K	0,096
Water vapour diffusion resistance factor μ	EN 12086		10
Water vapour transmission Sd	EN 12086	m	0,05
Reaction to fire	EN 13501-1		E
Maximum traffic load		kg/m ²	≤ 3.000

■ COMPRESSION BEHAVIOR



Stress at 10%	σ_{10}
EN 826	kPa $\geq 1,87 \pm 10\%$

■ THICKNESS AND COMPRESSIBILITY



Thickness	dL	dF	dB
EN 12431	mm 9,5	8,4	7,9 ± 10%

UPROLL

UNDER SCREED ACOUSTIC INSULATION



ACOUSTIC CHARACTERISTICS OF THE PRODUCT

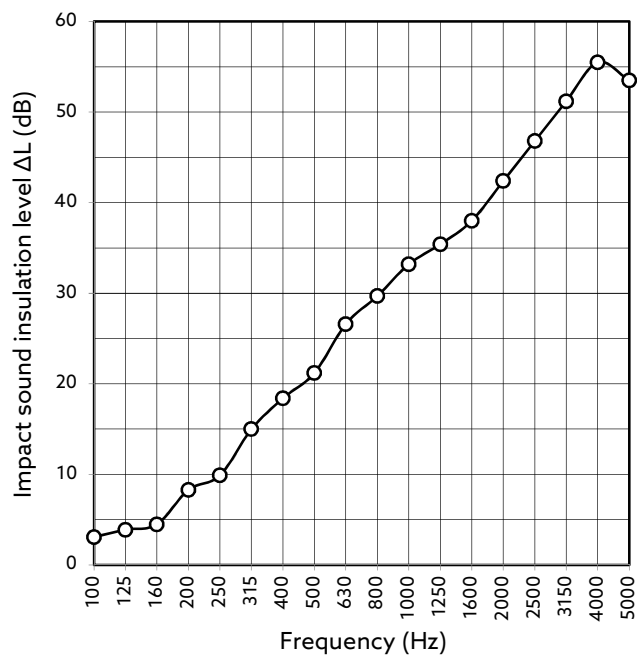
■ DYNAMIC STIFFNESS

Test Report Istituto Giordano n. 381963

UNI EN 29052-1

$s' = 11 \text{ MN/m}^3$

■ IMPACT SOUND PRESSURE LEVEL ATTENUATION



ON REFERENCE STANDARD FLOOR

Frequency Hz	ΔL dB
100	3,1
125	3,9
160	4,5
200	8,3
250	9,9
315	15,0
400	18,4
500	21,2
630	26,6
800	29,7
1000	33,2
1250	35,4
1600	38,0
2000	42,4
2500	46,8
3150	51,2
4000	55,5
5000	53,5

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:

$\Delta L_w \geq 24 \text{ dB}$

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

Test Report Istituto Giordano n. 381699