

ROLL

UNDER SCREED ACOUSTIC INSULATION



REDUCED THICKNESS IMPACT NOISE
ACOUSTIC INSULATION MADE IN ROLLS WITH
SBR RUBBER GRANULES

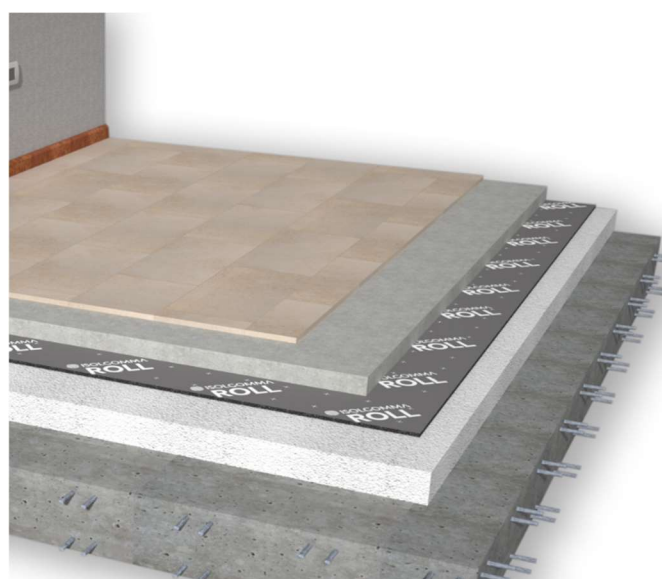


Self-adhesive side band for
joining the mats



■ TECHNICAL SPECIFICATION

5 mm acoustic insulation rolls, made of SBR (Stirene Butadiene Rubber) fibres and granules rubber, compacted using a latex binder in a hot process. A grey synthetic non woven anti-stretch backing is applied on one side. The dimensions of the roll are: 500 cm lenght, 104 cm width including 4 cm adhesive side border for rolls overlapping during installation. The total mass surface is 1,90 kg/m². Impact sound pressure level attenuation 22 dB, reaction to fire E, thermal conductivity coefficient 0,094 W/m K. Recycled content 86%.



■ TECHNICAL DATA

Thickness	5 mm
Length	5,00 m
Width (including 4 cm overlapping band)	1,04 m
Mass per unit area	1,90 kg/m ²
Recycled content	86%

■ CERTIFIED ACOUSTIC IMPROVEMENT

Designed and created to ensure excellent acoustic performances even with limited intervention thicknesses

■ FLEXIBILITY

The reduced thickness makes it suitable for renovation interventions where the various systems has to adapt to the needs without compromising the final result

■ LAYING COSTS REDUCTION

Equipped with printed TNT to facilitate measuring and cutting activities. A special adhesive stick facilitates the junction between the mats

■ TO BE USED WITH

Under screed acoustic insulation for massive floors where a high impact noise performance is required and with low intervention thickness. Also suitable where radiant systems are present

Dynamic stiffness s'	21 MN/m ³
Compressibility c	1,2 mm
Impact sound pressure level attenuation ΔL _w	22 dB
Reaction to fire	E
Thermal conductivity coefficient λ	0,094 W/m K



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INSTALLATION INSTRUCTIONS FOR ROLL

- 1 Apply the adhesive strip to the wall and floor with particular attention in the corners



- 2 Install the acoustic mat with rubber granules facing down



- 3 Joint two adjacent mats using the pre-built adhesive tape and following the dashed lines



- 4 Build the screed



- 5 Install the floor finishing (ceramic or wood)



- 6 Cut the exceeding part of the edging strip



ACOUSTIC CERTIFICATES

Product acoustic certificates are available and allow to comply with the limits imposed by law



INSTALLATION TEST

Acoustic performances of the intervention can be tested on site by a competent technician



ACOUSTIC REPORT

Our technical staff is able to give you the proper support in all the project phases, supporting you in the identification of materials



LAYING ASSISTANCE

Thanks to our extensive commercial technicians network, we are at your disposal for the coordination of the first laying phases on site

[SEE THE REFERENCES > VISIT THE WEBSITE](#)

[CONTACT THE TECHNICAL DEPARTMENT FOR MORE INFORMATION](#)



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PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE PRODUCT

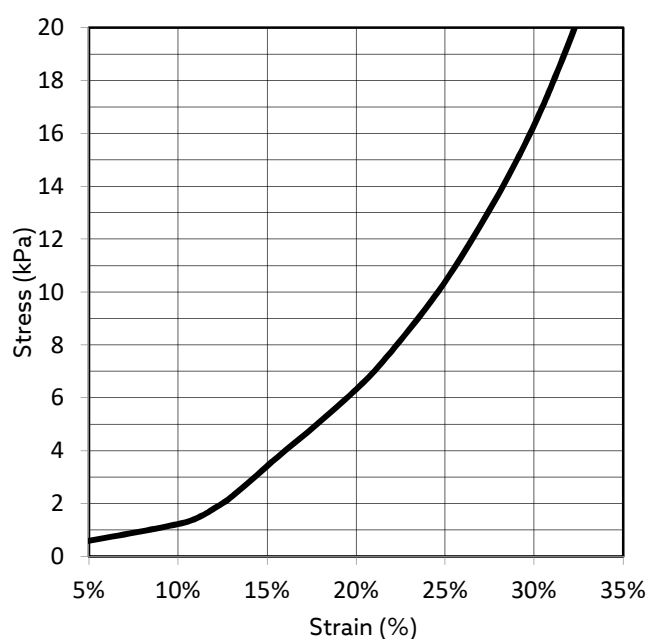
■ PHYSICAL CHARACTERISTICS

Thickness	EN 12431	mm	5	± 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	1,90	± 10%

■ TECHNICAL CHARACTERISTICS

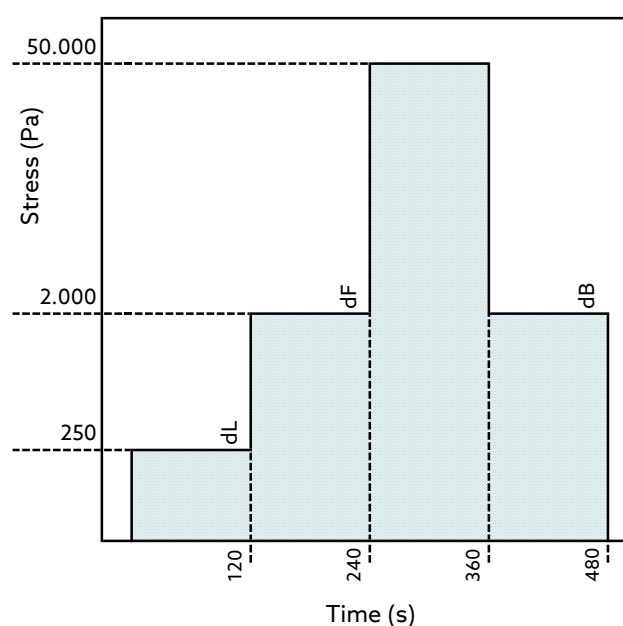
Compressibility c	EN 12431	mm	1,2
Creep deformation at time Xct - 10 years	EN 1606	mm	0,7
Strain at time ϵ_t - 10 years	EN 1606		28%
Thermal conductivity coefficient λ	EN 12667	W / m K	0,094
Water vapour diffusion resistance factor μ	EN 12086		10
Water vapour transmission Sd	EN 12086	m	0,05
Reaction to fire	EN 13501-1		E
Maximum traffic load		kg/m ²	≤ 3.000

■ COMPRESSION BEHAVIOR



Stress at 10%	σ_{10}
EN 826	kPa $\geq 1,25 \pm 10\%$

■ THICKNESS AND COMPRESSIBILITY



Thickness	dL	dF	dB
EN 12431	mm 5,8	5,2	4,8 ± 10%

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ACOUSTIC CHARACTERISTICS OF THE PRODUCT

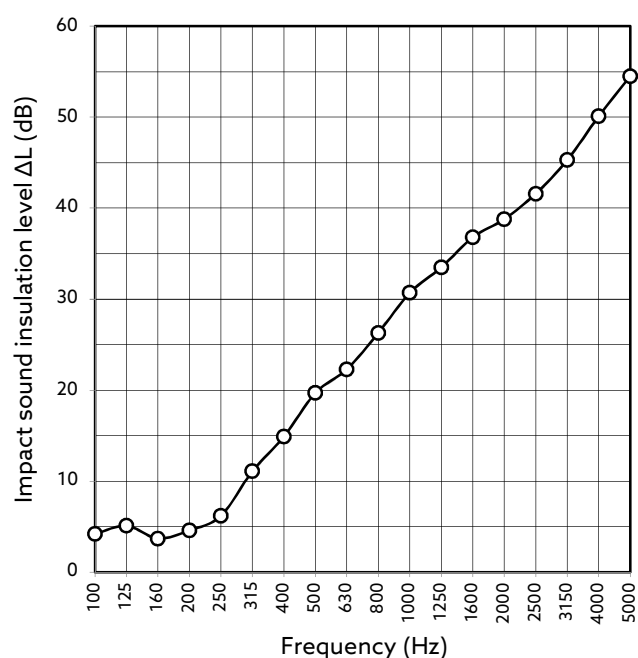
DYNAMIC STIFFNESS

UNI EN 29052-1

 $s' = 21 \text{ MN/m}^3$

Test Report Istituto Giordano n. 381961

IMPACT SOUND PRESSURE LEVEL ATTENUATION



ON REFERENCE STANDARD FLOOR

Frequency Hz	ΔL dB
100	4,2
125	5,1
160	3,7
200	4,6
250	6,2
315	11,1
400	14,9
500	19,7
630	22,3
800	26,3
1000	30,7
1250	33,5
1600	36,8
2000	38,8
2500	41,6
3150	45,3
4000	50,1
5000	54,5

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:

$\Delta L_w = 22 \text{ dB}$

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

Test Report Istituto Giordano n. 381697