

GREI

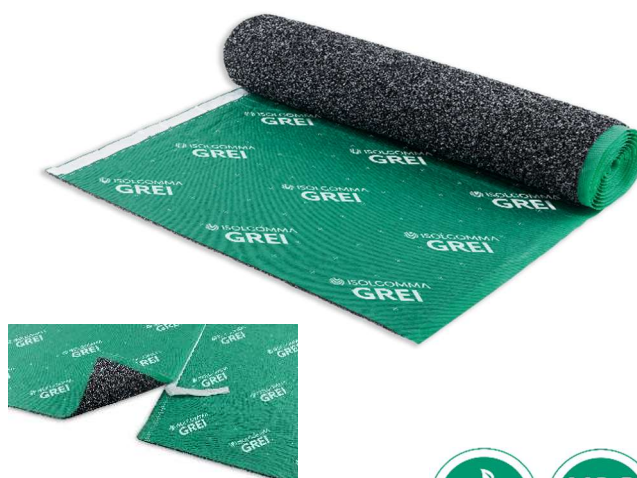
UNDER SCREED ACOUSTIC INSULATION

UNDER SCREED

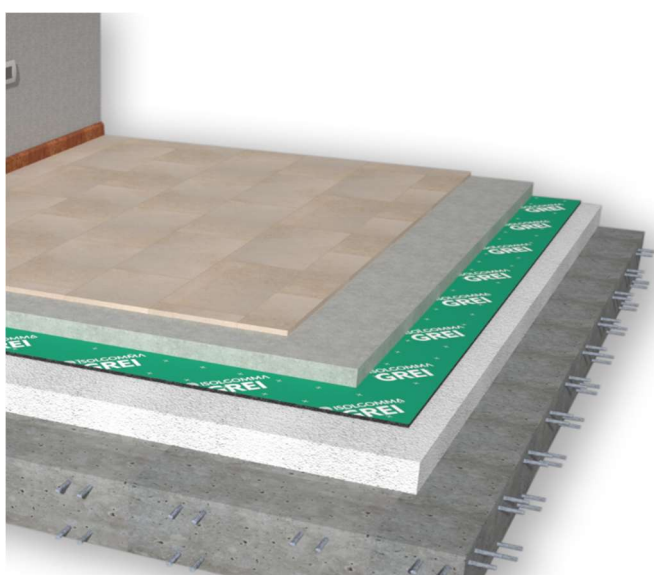
HIGH PERFORMANCE IMPACT NOISE ACOUSTIC INSULATION CONSISTING OF ROLLS COMPOSED OF EPDM-SBR RUBBER GRANULES

■ TECHNICAL SPECIFICATION

7 mm acoustic insulation rolls, made of SBR fibres rubber and EPDM granules rubber, that are anchored with carboxylate latex binder to a backing, made with non-woven, green-coloured, anti-stretch film. The dimensions of the roll are: 500 cm length, 104 cm width including 4 cm adhesive side border for rolls overlapping during installation. The total mass surface is 2,80 kg/m². Impact sound pressure level attenuation 24 dB, reaction to fire E class, thermal conductivity coefficient 0,064 W/m K. Recycled content 88%.



Self-adhesive side band for joining the mats



■ CERTIFIED ACOUSTIC IMPROVEMENT

GREI under screed acoustic insulation ensures maximum performances in the construction of new commercial and residential buildings

■ FLEXIBILITY

GREI adapts to floors with floating floor, but also to high thickness screeds with technological systems, typical of new commercial buildings

■ 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 solution for traditional or light floors where a high impact sound insulation performance is required. Also suitable when floor heating systems are present

■ TECHNICAL DATA

Thickness	7 mm
Length	5,00 m
Width (including 4 cm overlapping band)	1,04 m
Mass per unit area	2,80 kg/m ²
Recycled content	88%

Dynamic stiffness s'	8 MN/m ³
Compressibility c	2,0 mm
Impact sound pressure level attenuation ΔL _w	24 dB
Reaction to fire	E
Thermal conductivity coefficient λ	0,064 W/m K



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INSTALLATION INSTRUCTIONS FOR GREI

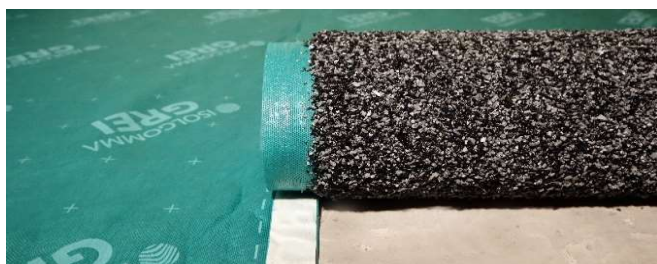
- 1** Apply the adhesive strip to the wall and floor with particular attention in the corners



- 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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UNDER SCREED ACOUSTIC INSULATION



PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE PRODUCT

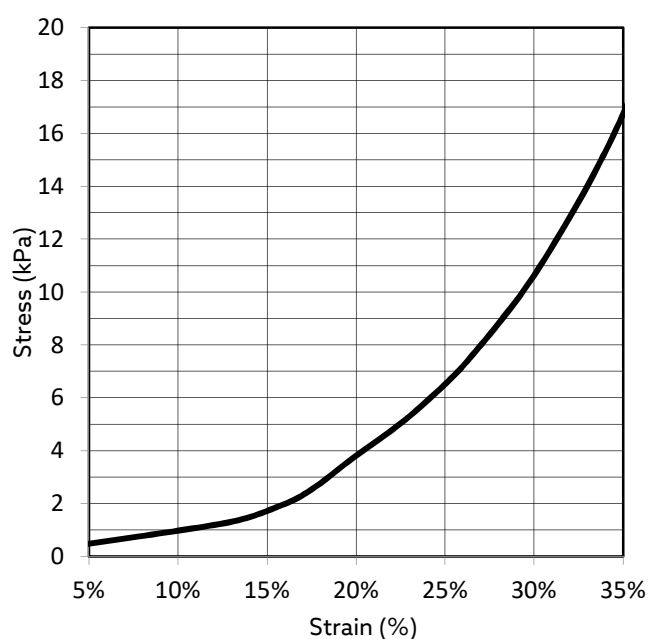
■ PHYSICAL CHARACTERISTICS

Thickness	EN 12431	mm	7	± 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	2,80	± 10%

■ TECHNICAL CHARACTERISTICS

Compressibility c	EN 12431	mm	2,0
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	0,064
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



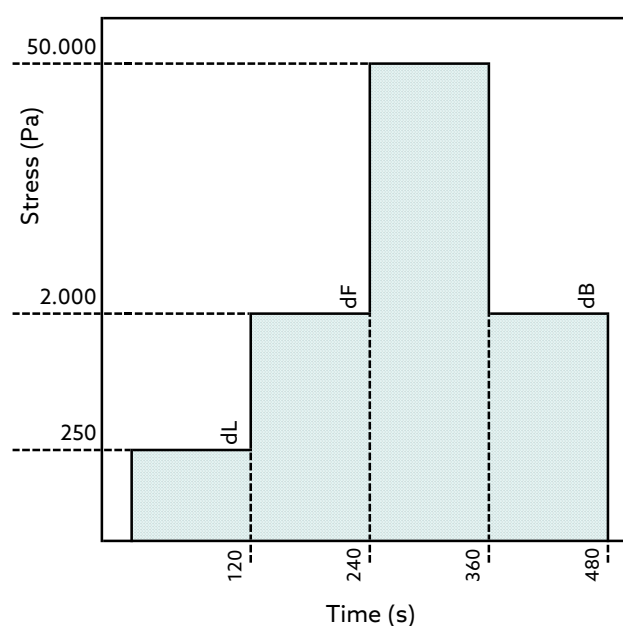
Stress at 10%

 σ_{10}

EN 826

kPa ≥ 1,10 ± 10%

■ THICKNESS AND COMPRESSIBILITY



Thickness

dL

dF

dB

UNI EN 12431

mm

9,1

7,7

7,1

± 10%

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ACOUSTIC CHARACTERISTICS OF THE PRODUCT

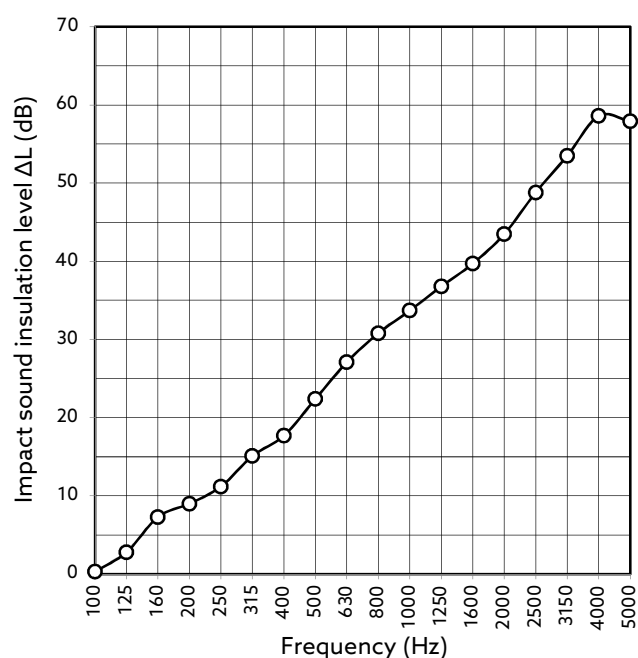
DYNAMIC STIFFNESS

UNI EN 29052-1

 $s' = 8 \text{ MN/m}^3$

Test Report Istituto Giordano n. 381960

IMPACT SOUND PRESSURE LEVEL ATTENUATION



ON REFERENCE STANDARD FLOOR

Frequency Hz	ΔL dB
100	0,3
125	2,8
160	7,3
200	9,0
250	11,2
315	15,1
400	17,7
500	22,4
630	27,1
800	30,8
1000	33,7
1250	36,8
1600	39,7
2000	43,5
2500	48,8
3150	53,5
4000	58,6
5000	57,9

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
 - Grei
 - 50 mm sand-cement screed

Test Report Istituto Giordano n. 381696