

UPGREI

UNDER SCREED ACOUSTIC INSULATION



HIGH PERFORMANCE IMPACT NOISE ACOUSTIC INSULATION MADE IN ROLLS WITH EPDM RUBBER GRANULES GLUED TO A RESIN POLYESTER FIBRE LAYER

■ TECHNICAL SPECIFICATION

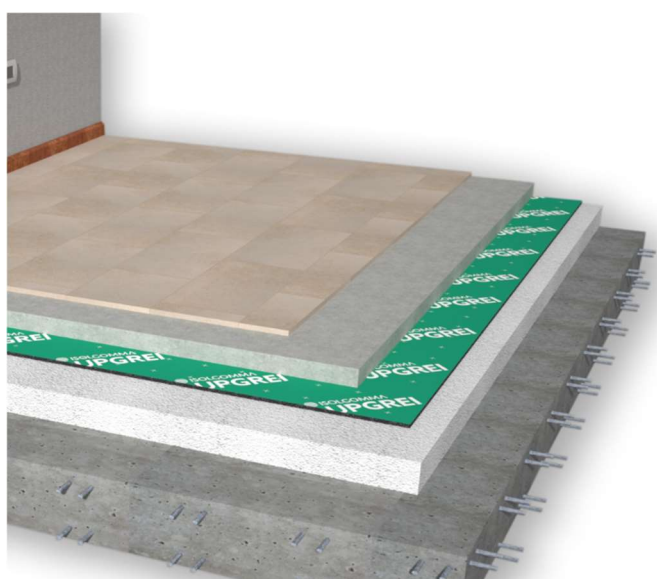
10 mm-thick acoustic insulation rolls, made of EPDM rubber granules that are anchored with carboxylate latex binder to a backing, made with non-woven, green-coloured, anti-stretch film and polyester fibre. The dimensions of the roll are: 5,0 m length, 1,04 m width including 40 mm adhesive side border for rolls overlapping during installation. The total mass surface is 2,65 kg/m². Impact sound pressure level attenuation 26 dB, reaction to fire E class, thermal conductivity coefficient 0,043 W/m K. Recycled content 80%.



ETA - 18/0554



Self-adhesive side band for joining the mats



■ TECHNICAL DATA

Thickness	10 mm
Length	5,00 m
Width (including 4 cm overlapping band)	1,04 m
Mass per unit area	2,65 kg/m ²
Recycled content	80%

■ CERTIFIED ACOUSTIC IMPROVEMENT

Our CE certified UPGREI under screed acoustic insulation roll guarantees maximum performances both in residential and commercial buildings

■ FLEXIBILITY

One of the typical problematic situations about renovations consists of rough surfaces. UPGREI adapts to the most critical situations ensuring design comfort

■ LAYING COSTS REDUCTION

Equipped with printed support to facilitate the activities cutting. A special adhesive stik facilitates the joint between the mats reducing installation times

■ 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

Dynamic stiffness s'	6 MN/m ³
Compressibility c	2,2 mm
Impact sound pressure level attenuation ΔL _w	26 dB
Reaction to fire	E
Thermal conductivity coefficient λ	0,043 W/m K



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UNDER SCREED

INSTALLATION INSTRUCTIONS FOR UPGREI

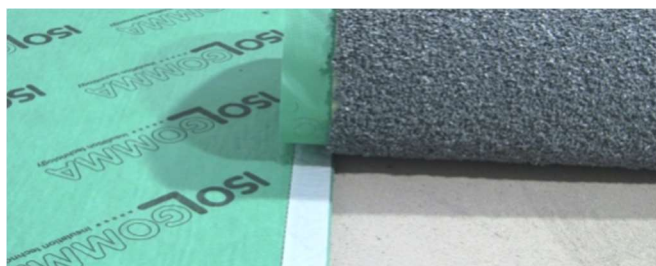
- 1** Apply the adhesive strip to the wall and floor with particular attention in the corners



- 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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ISOLGOMMA
SILENCE MAKERS

UPGREI

UNDER SCREED ACOUSTIC INSULATION



PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE PRODUCT

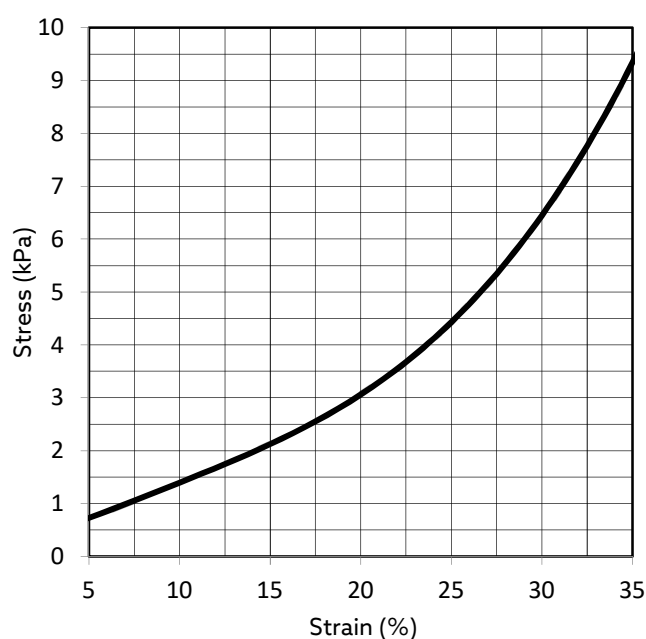
■ PHYSICAL CHARACTERISTICS

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%

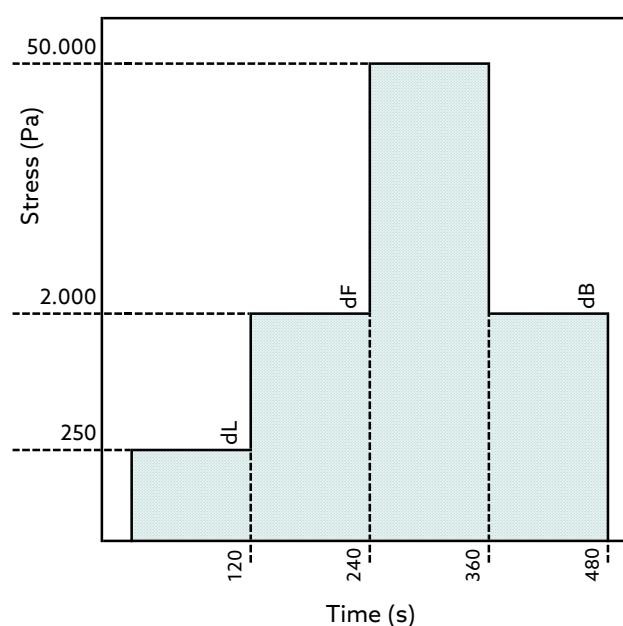
■ TECHNICAL CHARACTERISTICS

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



■ THICKNESS AND COMPRESSIBILITY



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ACOUSTIC CHARACTERISTICS OF THE PRODUCT

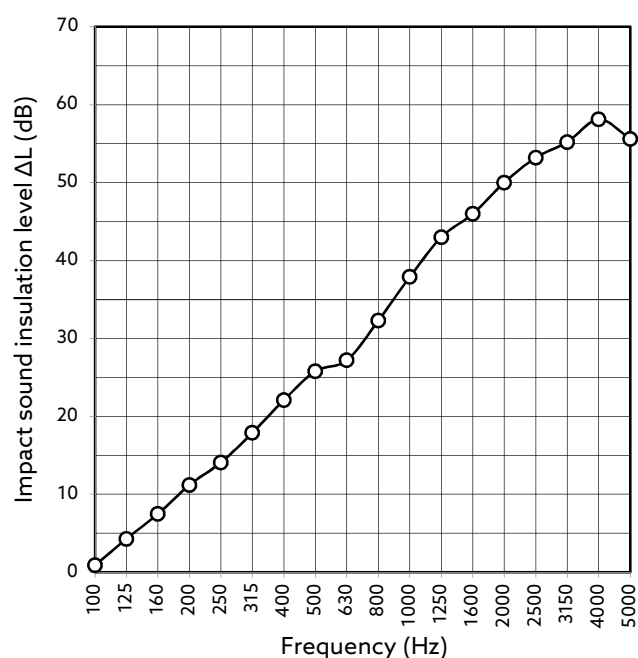
DYNAMIC STIFFNESS

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
 - Upgrei
 - 50 mm sand-cement screed

Test Report Istituto Giordano n. 381698