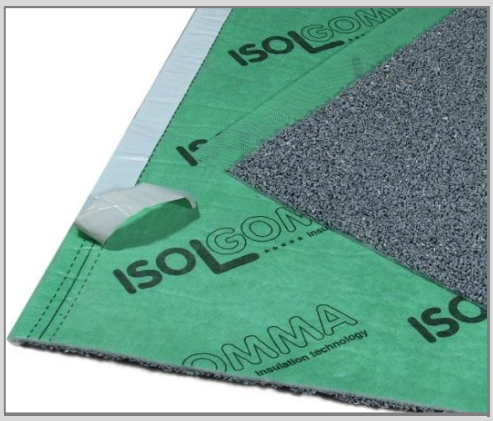
ACOUSTIC INSULATION
FOR FLOATING FLOORS

TECHNICAL DATA
UPGREI

TECHNICAL SPECIFICATION

10 mm-thick acoustic insulation rolls, made of EPDM (Ethylene Propylene Diene Monomer) rubber granules that are anchored with carboxylate latex binder to a backing, made with 80 g/m² non-woven, green-coloured, anti-stretch film and 200 g/m² polyester fibre. Each roll is 500 cm lenght x 104 cm width including a 4 cm adhesive side border for rolls overlapping during installation. The total mass surface is 2,65 kg/m² and the apparent dynamic stiffness (s'_t) less than 18 MN/m³.



CE ETA - 18/0554

PHYSICAL CHARACTERISTICS	Standard	Unit	UPGREI	Tolerance
Thickness [1]	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%
Backing superficial weight	EN 13859-1	g/m²	**80**	± 5%
Mass per unit area	EN 1602	kg/m²	**2,65**	± 10%
Colour			**grey/green**	

ACOUSTIC CHARACTERISTICS	Standard	Unit	UPGREI	Tolerance
Dynamic stiffness s'_t	EN 29052-1	MN/m³	**≤ 18**	
Dynamic stiffness (dry application) [2]		MN/m³	**≤ 9**	
Impact sound pressure level attenuation ΔLw laboratory test [3]	EN ISO 10140 EN ISO 717-2	dB	**≥ 25**	

TECHNICAL CHARACTERISTICS	Standard	Unit	UPGREI	Tolerance
Compressibility c	EN 12431	mm	**≤ 2,1**	
Creep deformation at time Xct - 10 years	EN 1606	mm	**1,3**	
Strain at time ε_t - 10 years			**24%**	
Thermal conductivity coefficient λ	EN 12667	W/m K	**0,047**	
Water vapour diffusion resistance factor μ	EN 12086		**9**	
Water vapour trasmission Sd	EN 12086	m	**0,075**	
Reaction to fire	EN 13501-1		**E_{fl}**	

PACKING AND STORING

Each pallet is wrapped and protected with waterproof polythene film. Inside storage is required protected from rainfall.

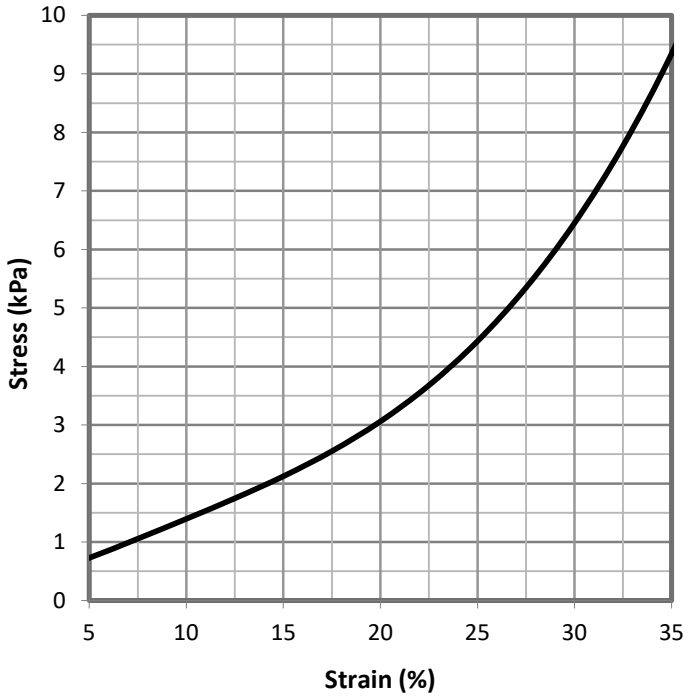
NOTES

[1] Product thickness measured according to norm EN 12431 equal to the value of "Thickness under load dL (250 Pa)"

[2] Measurement executed in deviation from norm EN 29052-1, without applying plaster on the test sample

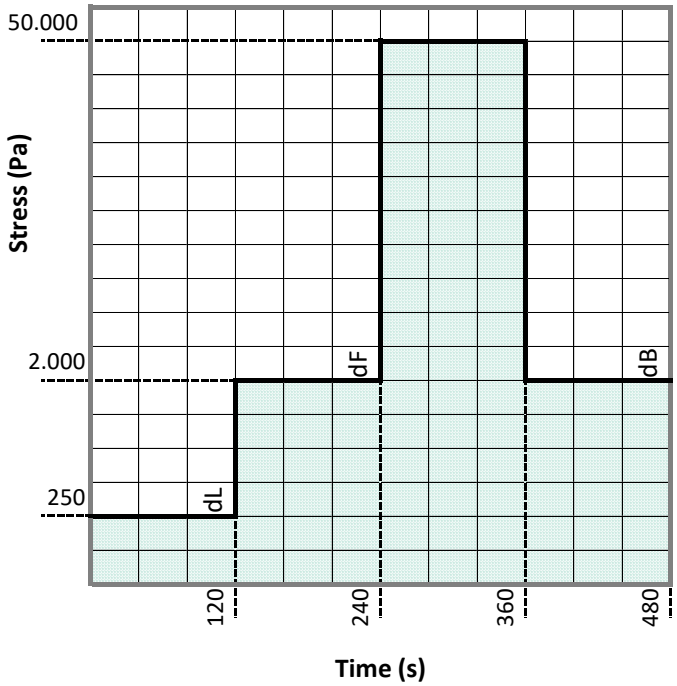
[3] Test report n. AC7279 at BBRI (Belgium)

COMPRESSION BEHAVIOR - EN 826



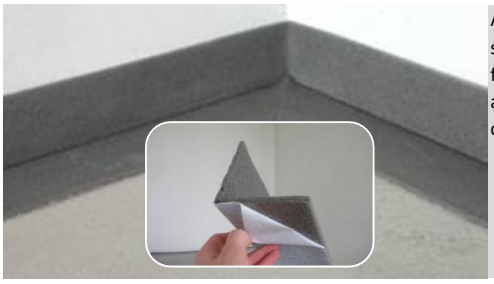
	Unit	σ_{10}	Tolerance
UPGREI	kPa	≥ 1,37	

THICKNESS AND COMPRESSIBILITY - EN 12431

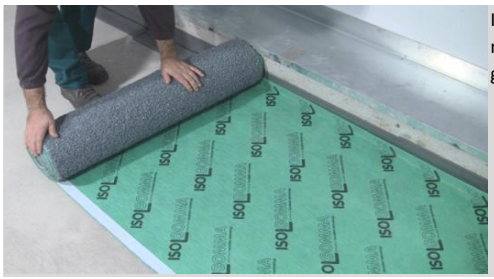


	Unit	dL	dF	dB	Tolerance
UPGREI	mm	10,4	9,4	8,3	± 10%

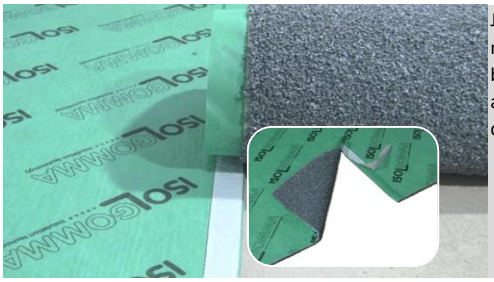
INSTALLATION INSTRUCTIONS



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



Install the acoustic mat with rubber granules facing down



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

Build the screed

Install the floor finishing (ceramic or wood)

Cut the exceeding part of the edging strip