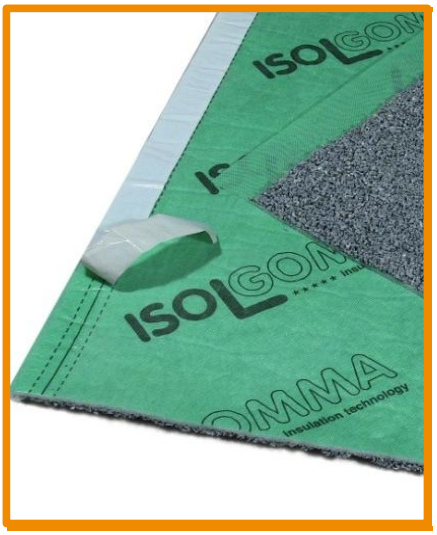
TECHNICAL DATA — *Upgrei*

Sound and thermal insulation for floating floors

Product description and Technical Specification

8 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 2.60 kg/m² and the dynamic stiffness (s') is 12 MN/m³.



PTB Version: waterproof non woven anti-stretch backing for liquid screed

- very high acoustic and thermal performance
- extremely easy to lay
- eco-compatible

PHYSICAL CHARACTERISTICS	Standard	Unit	Upgrei 8	Tolerance
Nominal thickness [1]	EN 12431	mm	**8**	± 10%
Length		m	**5.00**	± 5%
Width (including 4 cm of the overlapping flap)		m	**1.04**	± 1%
Backing superficial mass		g/m²	**80 standard; 100 PTB**	
Overall Superficial mass		kg/m²	**2.60**	± 10%
Colour			**grey/green**	

ACOUSTIC CHARACTERISTICS	Standard	Unit	Upgrei 8	Tolerance
Dynamic stiffness (s')	EN 29052/1	MN/m³	**12**	± 1
Dynamic stiffness for dry application[2]	EN 29052/1	MN/m³	**9**	± 1
Improvement of impact insulation class (Δ IIC)	ASTM E 2179-03	dB	**25**	
Impact sound reduction improvement (ΔLw) - by laboratory test	EN ISO 10140	dB	**26**	
Impact sound reduction improvement (ΔLw) - calculated [3]	EN 12354/2	dB	**32**	

TECHNICAL CHARACTERISTICS	Standard	Unit	Upgrei 8	Tolerance
Compression at strain 10%	EN 826	kPa	**1.75**	± 5%
Compression strain (dL - 250 Pa)	EN 12431	mm	**10.7**	
Compression strain (dF - 2000 Pa)	EN 12431	mm	**9.1**	
Compression strain (dB - 50000 → 2000 Pa)	EN 12431	mm	**7.5**	
Thermal conductivity coefficient (λ)	EN 12667	W/mK	**0.047**	
Resistance factor to the spread of water vapour (μ)	EN 12086		**9**	
Fire grade	EN 13501-1		**E_{fl}**	

PACKING AND STORING

Each pallet is wrapped and protected with waterproof polythene film. Inside storage is recommended to avoid possible wet storing

[1] Product thickness measured according to norm EN 12431 equal to the value of "Compression strain (dB - 50000 → 2000 Pa)"

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

[3] Value calculated with dynamic stiffness for dry-mount applications and a screed weight equal to 75 kg/m²

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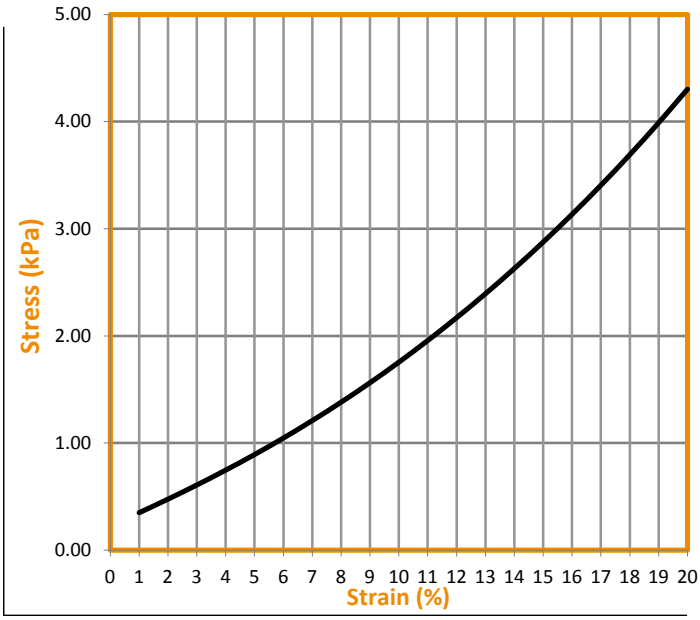
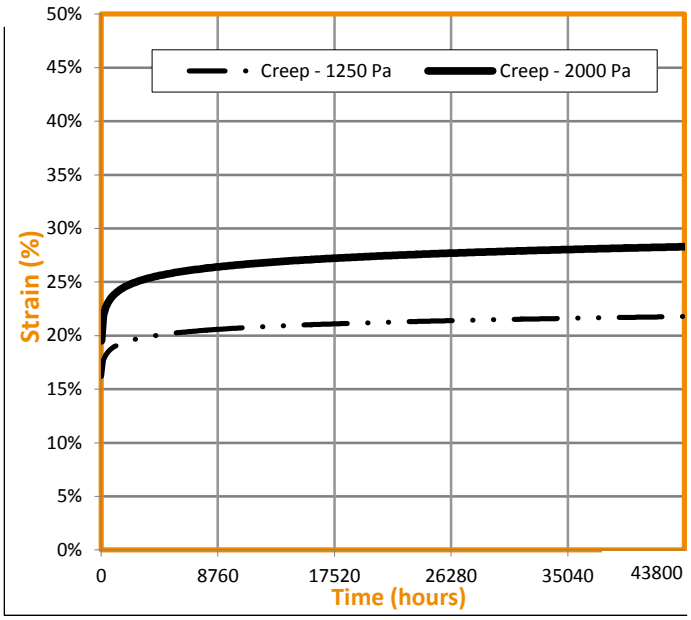
Determination of compression - EN 826 (4)

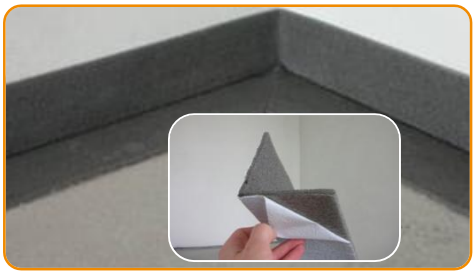


Creep test - EN 1606 (4)

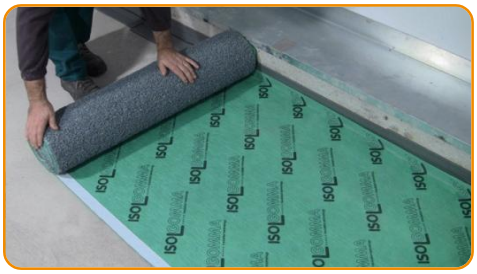


(4) The initial thickness of the product during testing is equal to the value of pag. 1 "Compression strain (dL - 250 Pa)"; use this value to evaluate the crush rate of the material according to the specified norm

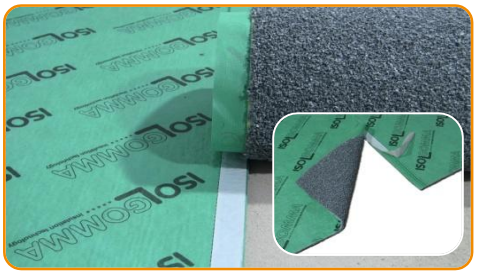
INSTALLATION INSTRUCTIONS



Insulate the concave corners with the “Profile” strip by cutting it as shown in the drawing.



Lay down the insulation layer on the floor surface with the rubber granules turned on the bottom floor side.



Seal the roll jointing borders by the adhesive flap available on the roll border. To do it properly follow the dotted and continues lines indication.

Melt the screed

Lay down the final floor covering (ceramic or wood).

When the flooring application is completed, cut the exceeding part of the edging strips.

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