



ISOLNOISE AE 10

RESILIENT MAT MADE OF RECYCLED RUBBER FOR IMPACT SOUND NOISES ACOUSTIC INSULATION

Ecological mat for impact sound noises acoustic insulation of 750 kg/m³ density made up of natural and synthetic elastomeric compounds, coming from the recycling of ELT (end of life tyres), bound by mass-polymerized polyurethane.

ACOUSTIC PERFORMANCES

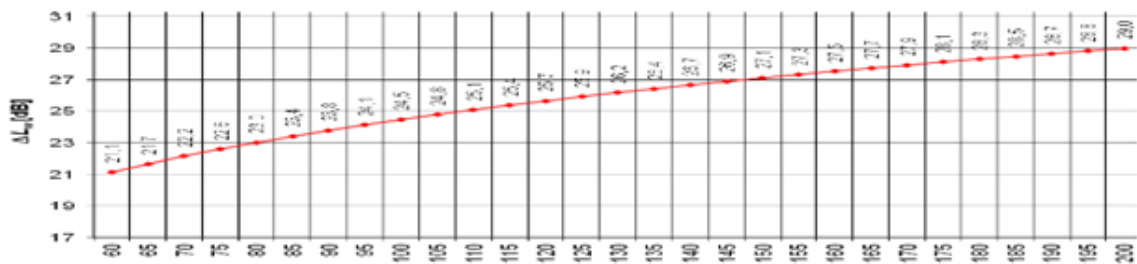
DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Apparent dynamic rigidity	(s')	MN/m ³	37	UNI EN 29052-1	Internal laboratory value
Resonance frequency	(f ₀)	Hz	68	UNI EN 29052-1	Internal laboratory value
Impact sound noise attenuation level	(ΔL _w)	dB	26	UNI EN 12354-2	Screed weight 115 Kg/m ²

ATTENUATION RATING INDEX OF IMPACT SOUND PRESSURE LEVEL ACCORDING TO UNI EN 12354-2

m' kg/m ²	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200
ΔL _w dB	21.1	21.7	22.2	22.6	23.0	23.4	23.8	24.1	24.5	24.8	25.1	25.4	25.7	25.9	26.2	26.4	26.7	26.9	27.1	27.3	27.5	27.7	27.9	28.1	28.3	28.5	28.7	28.8	29.0

m' : Screed weight

ΔL_w VARIATION IN RELATION TO SCREED WEIGHT



Screed surface mass m' (kg/m²)

**THERMAL PERFORMANCES**

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal Conductivity	(λ)	W/mK	0,1226	UNI EN 12667:2002	Cert.n° 080-09-the TR
Thermal Resistance	(R)	m ² K/W	0,081	UNI EN 12667:2002	Cert.n° 080-09-the TR
Thermal Transmission	(U)	W/m ² K	12,34	UNI EN 12667:2002	Cert.n° 080-09-the TR

PHYSICAL-MECHANICAL PERFORMANCES

DESCRIPTION	M.U.	VALUE	TOLERANCES
Rubber density	Kg/m ³	750	± 7 %
Rubber thickness	mm	10	± 10 %

DESCRIPTION	M.U.	VALUE	NORMS
Elongation percentage at break	%	27	
Heat resistance	°C	Up to + 80	
Cold resistance	°C	Up to -30	
Fire rating		B2	DIN 4102
SHORE A hardness		50	

CHEMICAL PERFORMANCES

CHARACTERISTIC	PERFORMANCES
Chemical interactions	Highly resistant to acids and alkaline detergents, retains its characteristics unchanged over time
Electrostatic	Does not accumulate static charge and prevent interaction between materials
Environmental sustainability	100 % recyclable

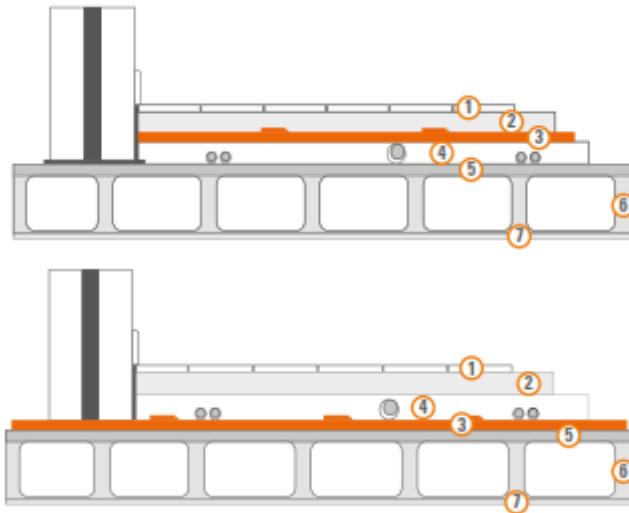


SPECIFICATION

Impact sound noises acoustic insulation obtained by carrying out a floating floor over a suitable de-coupling layer in elastic-resilient material laid directly on the floor before fixing the fixtures.

The elastic element at issue is made of a 750 kg/m³ density membrane, 10 mm thickness, with an attenuation rating index of impact sound noise pressure level of $\Delta L_w = 26$ dB, made up of natural and synthetic elastomeric granules bound by mass-polymerized polyurethane resins, with a dynamic rigidity s' , equal to 37 MN/m³, such as ISOLNOISE AE 10 by AETOLIA VZ.

APPLICATION – FLOOR



- 1) Finishing
- 2) Lodging screed
- 3) ISOLNOISE AE
- 4) Lightened trimming screed
- 5) Concrete layer
- 6) Floor
- 7) Plaster

APPLICATION TYPE

APPLICATION METHOD:

On the bare floor before installing the fixture and the wiring systems (see the first picture–floor application), or after having carried out the lightened trimming screed (see the second picture-floor application).

As far as the application on bare floor is concerned, proceed following the under listed points:

1. Over the unrefined floor after having built the external walls, before the internal walls, lay the ISOLNOISE AE 10 acoustic insulation on the entire floor.
Seal the junctions between the mats with suitable tape.
2. Carry out the internal vertical partitions (internal walls) directly on the elastic panel.
3. Carry out the plumbing and wiring systems directly on the elastic panel.
4. Carry out the complete decoupling of the external vertical partitions by overlaps with ISOLBAND AV band.

As far as the application after having made the lightened screed is concerned, proceed following the under listed points:

1. Decouple at the base all the vertical partitions (walls) with a cut wall band such as ISOLBAND AE.
2. Decouple from the walls the lightened screed with ISOLBAND AE V band.
3. Lay over the lightened screed the acoustic insulation product ISOLNOISE AE 10 on the entire floor closer as much as possible to the walls. Seal the junctions between the rolls with suitable adhesive tape.
4. Carry out the complete decoupling of the floating screed from the perimeter vertical partitions applying the self-adhesive band ISOLBAND AE V between the ISOLNOISE AE and the wall carrying out all the overlaps.



DIMENSIONS AND PACKAGING – ROLLS

SIZE	M.U.	VALUE
Thickness	mm	10
Roll height	m	1
Roll length	m	5
Weight per m ²	Kg/m ²	7.5
Number of rolls per pallet	piece	16
Total area per pallet	m ²	80
Pallet dimension	cm	100x120x100+10

DIMENSIONS AND PACKAGING – PANELS

SIZE	M.U.	VALUE
Thickness	mm	10
Panel dimension	m	1x1.2
Panel area	m ²	1.2
Weight per m ²	Kg/m ²	7,5
Number of panels per pallet	piece	100
Total area per pallet	m ²	120
Pallet dimension	cm	100x120x100+10

Rev. 4 - 10/20