SINCE 1928
Valli Zabban
RUBBER TECHNOLOGIES

AETOLIA

ISOLNOISE AE 15

ACOUSTIC INSULATING PANEL FOR BRICKWORKS WITH CAVITY

Panel to be used in brickworks with cavity, made of a 750 kg/m^3 density panel made up of natural and synthetic elastomeric compounds coming from the recycling of ELT (end of life tyres) bound by mass-polymerized polyurethanes.

ACOUSTIC PERFORMANCES

LAYER	THICKNESS CM	MASS SURFACE KG/M^2
PLASTER	1.5	23
PERFORATED BRICK	12	100
ISOLNOISE AE 15	***1.5***	***11.25***
PERFORATED BRICK	8	79
PLASTER	1.5	23

ACOUSTIC PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Soundproofing power	(R_w)	dB	53	UNI EN ISO 12354-1	Calculated Value

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	0,1223	UNI EN 12667:2002	Calculated Value
Thermal transmission	(U)	W/m^{2}K	8,17	UNI EN 12667:2002	Calculated Value

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PHYSICAL-MECHANICAL PERFORMANCES

DESCRIPTION	M.U.	VALUE	TOLERANCES
Rubber density	Kg/m^3	750	± 7 %
Rubber thickness	mm	15	± 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

The airborne noises acoustic insulation in double brick vertical partitions will be obtained by the application in the cavity of a suitable soundproofing panel of 750 kg/m^3density, 15 mm thickness.
The double walls soundproofing power inside the buildings will be obtained by using ISOLNOISE AE 15 panels by AETOLIA VZ, to comply with the requirements of D.P.C.M. 5/12/97.

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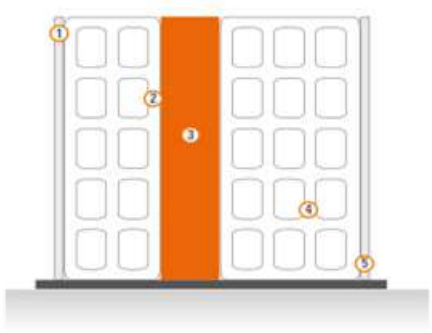
APPLICATION - WALL



1) 1,5 cm. Plaster
2) Brick
3) ISOLNOISE AE 15
4) Brick
5) 1,5 cm. Plaster

APPLICATION TYPE

Double wall with cavity.

APPLICATION METHOD:

Apply the panel in contact with the first made vertical partition; after the fastening carry out the second closing partition in adjacency with the panel limiting the compression to the minimum.

FASTENING METHOD:

With plastic dowels
With single component polyurethane glue
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DIMENSIONS AND PACKAGING – PANELS

SIZE	M.U.	VALUE
Thickness	mm	15
Panel height	m	1x1.2
Panel length	m^2	1.2
Weight per m^2	Kg/m^2	11,25
Number of panels per pallet	pz	75
Total area per pallet	m^2	90
Pallet dimension	cm	100x120x100+10

Rev. 4 – 10/20

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