

AEMIX ACUSTIK

SOUNDPROOFING PANEL MADE OF RUBBER AND POLYURETHANE FOR THE ACOUSTIC INSULATION OF VERTICAL PARTITIONS WITH CAVITY

Ecological panel for the insulation of vertical partitions with cavity, obtained with the coupling of one high density recycled rubber (950 kg/m³) made up of natural and synthetic elastomeric compounds, coming also from the recycling of E.L.T. (end of life tyres), bound by mass-polymerized polyurethanes and a layer made with an ecological soundproofing panel (density 90 kg/m³) made up of a flexible polyurethane foam flakes agglomeration obtained from the recycling of production scraps or end of life products, bound by mass-polymerized polyurethanes, with no use of CFC/HFC.

ACOUSTIC PERFORMANCES

DOUBLE WALLS TEST STRATIGRAFY

LAYER	THICKNESS cm	MASS SURFACE Kg/m ²
Plaster	1.5	23
Perforated brick like Poroton	8	97
AEMIX ACUSTIK	2.5	7.75
Plaster	8	97
Perforated brick like Poroton	1.5	23

TEST RESULTS

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Soundproofing power	(R _w)	dB	54	UNI EN ISO 140-3 UNI EN ISO 717-1	Cert.n° 122-09-acuAS

THERMAL PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	(λ)	W/mK	0,0484	UNI EN 12667:2002	Cert.n° 119-09-the TR
Thermal resistance	(R)	m ² K/W	0,671	UNI EN 12667:2002	Calculated value
Thermal transmission	(U)	W/m ² K	1,49	UNI EN 12667:2002	Calculated value



PHYSICAL-MECHANICAL PERFORMANCES

DESCRIPTION	M.U.	VALUE	TOLERANCES	NORMS
Rubber density	Kg/m ³	950	± 7 %	
Rubber thickness	mm	5	± 10 %	
Polyurethane density	Kg/m ³	90	± 20 %	DIN EN ISO 845 AS 2282.3
Polyurethane thickness	mm	20	± 10 %	
Total thickness	mm	25	± 10 %	

DESCRIPTION	M.U.	RUBBER VALUE	POLYESTER VALUE	NORMS Rubber - Polyurethane	
Resistance to 40% compression	KPa		Min 10,0		DIN EN ISO 3386/1
Elongation percentage at break	%	27	Min 60		DIN EN ISO 1798 AS 2282.6
Heat resistance	°C	Up to + 80	Up to + 120		
Cold resistance	°C	Up to -30	Up to - 40		
Fire rating		B2		DIN 4102	
SHORE A hardness		50			

CHEMICAL PERFORMANCES

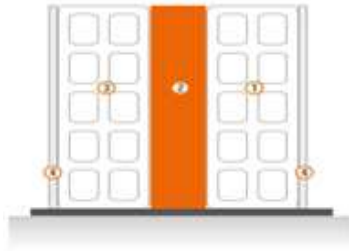
CHARACTERISTIC	PERFORMANCES
Chemical interactions	Highly resistant to acids and alkaline detergents, rot proof, retains its characteristics unchanged over time
Electrostatic	Does not accumulate static charge and prevent interaction between materials
Environmental sustainability	100% Recyclable

SPECIFICATION

The airborne noises acoustic insulation in double vertical partitions either in brick or plasterboard, or industrial silencing chambers and the sound absorbance of gridded or holed false ceilings will be obtained by laying a suitable sound absorbent and sound impeding ecological plywood panel made of high density elastomeric agglomerate (950 kg/m³), 5 mm thickness, coupled with flexible polyurethane foam flakes agglomeration obtained from the recycling of production scraps or end of life products bound by mass-polymerized polyurethanes, with no use of CFC/HFC, 90 kg/m³ density, 20 mm thickness, such as AEMIX ACUSTIK by VALLI ZABBAN.



APPLICATION – WALL



- 1) Brick
- 2) AEMIX ACOUSTIK
- 3) Brick
- 4) 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

DIMENSIONS AND PACKAGING

SIZE	M.U.	VALUE
Panel thickness	mm	25
Panel dimensions	m	1X1,2
Panel surface	m ²	1.2
Weight per m ²	Kg/m ²	6.55
Number of panels per pallet	piece	50
Total area per pallet	m ²	60
Pallet dimension	cm	100X120X125+10

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