



AEFAST WALL 4

SOUND ABSORBENT PANEL FOR AIRBORNE NOISES ACOUSTIC INSULATION

Panel for airborne noise acoustic insulation of vertical partitions, made up of a recycled out of use tyres agglomerate of 750 kg/m³ density and 4 mm thickness, which has very good soundproofing characteristics coupled with a 12,5 mm thick plasterboard panel.

Conceived to solve renovations and redevelopments problems of walls which do not comply with the parameters imposed by the current regulations.

AEFAST WALL 4 presents very good characteristics of acoustic insulation and elasticity, making it suitable for counter-plating systems.

ACOUSTIC PERFORMANCES

COUNTER-PLATING ON BOTH SIDES

LAYER	THICKNESS cm	MASS SURFACE Kg/m ²
Plasterboard panel screwed in a staggered way	1.25	9
AEFAST WALL 4	1.65	12
Poroton block	8	97
AEFAST WALL 4	1.65	12
Plasterboard panel screwed in a staggered way	1.25	9

TEST RESULTS

DESCRIPTION	SYMBOL	M.U.	VALUE	LAW REFERENCES	NOTES
Soundproofing power	(R _w)	dB	51	UNI EN ISO 140-3 UNI EN ISO 717-1	Cert.n° 101-09-acuAS
Soundproofing power of the panel only	(R _w)	dB	31	UNI EN ISO 10140-2 UNI EN ISO 717-1	Cert. n° 005-12-IAP

THERMAL PERFORMANCES

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal Conductivity	(λ)	W/mK	0,1498	UNI EN 12667:2002	Cert.n° 038-09-the TR
Thermal Resistance	(R)	m ² K/W	0,112	UNI EN 12667:2002	Cert.n° 038-09-the TR
Thermal Transmission	(U)	W/m ² K	8,92	UNI EN 12667:2002	Cert.n° 038-09-the TR

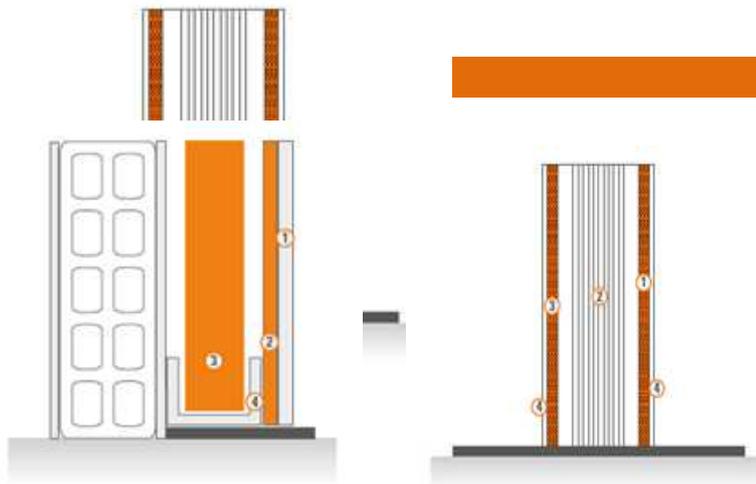
**PHYSICAL-MECHANICAL PERFORMANCES**

DESCRIPTION	M.U.	VALUE	TOLERANCES
Rubber density	Kg/m ³	750	± 7 %
Rubber thickness	mm	4	± 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	

SPECIFICATION

Airborne noises acoustic insulation improvement obtained by the counter-plating of existing walls with the application of a recycled ELT agglomerate panel of 750 kg/m³ density 4 mm thickness, having very good soundproofing characteristics coupled with a 12,5 mm thick plasterboard panel.
The panel dimensions are 2000 x 1200 mm with an overall thickness of 16,5 mm, such as AEFASST WALL 4 by VALLI



- 1) Plasterboard panel
- 2) AEFASST WALL
- 3) AEFASSTIK
- 4) Metallic frame

- 1) AEFASST WALL
- 2) Thermal brick
- 3) AEFASST WALL
- 4) Plasterboard panel



GENERAL USE

It is used as counter-plating and counter-structure of existing vertical walls to improve the acoustic airborne noise insulation performances.

APPLICATION METHOD ON STRUCTURE

AEAST WALL 4 is applied on metal frame or on existing structures (plasterboard walls) or pre-existing brickwork, iron and wooden partitions and other materials). We can then proceed with the application of the final painting.

APPLICATION METHOD COUNTER-PLATING

Secure the panel previously coupled to the wall through plot of cement based glue (side c.g. outside)

DIMENSIONS AND PACKAGING

SIZE	M.U.	VALUE
Thickness	mm	16,5
Panel Dimensions	m	2x1,2
Panel Surface	m ²	2,4
Weight per m ²	Kg/m ²	12
Number of panels per pallet	pz	60
Pallet total surface	m ²	144
Pallet dimension	cm	200x120x99+10

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