



# AEFASTICK

## SOUND ABSORBENT PANEL FOR AIRBORNE NOISES ACOUSTIC INSULATION

Sound absorbent ecological panel for acoustic insulation made up of "thermally bounded" polyester fibres. The product at issue has very good acoustic absorption, perspiration and thermal insulation capacities. The panel guarantees constant performances over time and does not release any substances either in the same or nearby rooms.

## ACOUSTIC PERFORMANCES

### DOUBLE WALL STRATIGRAFY

LAYER	THICKNESS cm	MASS SURFACE Kg/m <sup>2</sup>
Plaster	1.5	23
Perforated brick	8	64
<b>FASTICK SIL 40-30</b>	<b>4</b>	<b>1.2</b>
Plaster	1.5	23
Perforated brick	12	72
Plaster	1.5	23

### RESULTS

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Soundproofing power	(R <sub>w</sub> )	dB	55	UNI EN 140-3 UNI EN ISO 717-1	Cert. n°0103/DC/ACU/06

### DOUBLE WALL STRATIGRAFY

LAYER	THICKNESS cm	MASS SURFACE Kg/m <sup>2</sup>
Plaster	1.5	23
Perforated brick	8	64
<b>FASTICK SIL 40-40</b>	<b>4</b>	<b>1.6</b>
Plaster	1.5	23
Perforated brick	8	64
Plaster	1.5	23



## RESULTS

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Soundproofing power	( $R_w$ )	dB	53	UNI EN 140-3 UNI EN ISO 717-1	Cert. n°0162/DC/ACU/07

### THERMAL PERFORMANCES AEFASTICK 2020

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	( $\lambda$ )	W/mK	0,0379	UNI EN 12667:2002	Cert.n° 048-09-the TR
Thermal resistance	(R)	m <sup>2</sup> K/W	0,527	UNI EN 12667:2002	Cert.n° 048-09-the TR
Thermal transmission	(U)	W/m <sup>2</sup> K	1,897	UNI EN 12667:2002	Cert.n° 048-09-the TR

### THERMAL PERFORMANCES AEFASTICK 4020

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	( $\lambda$ )	W/mK	0,0379	UNI EN ISO 12667	Cert.n° 048-09-the TR
Thermal resistance	(R)	m <sup>2</sup> K/W	0,977	UNI EN ISO 12667	Cert.n° 048-09-the TR
Thermal transmission	(U)	W/m <sup>2</sup> K	1,023	UNI EN ISO 12667	Cert.n° 048-09-the TR

### THERMAL PERFORMANCES AEFASTICK 2030

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	( $\lambda$ )	W/mK	0,037	UNI EN ISO 12667	CE Marking
Thermal resistance	(R)	m <sup>2</sup> K/W	0,540	UNI EN ISO 12667	Calculated value
Thermal transmission	(U)	W/m <sup>2</sup> K	1,851	UNI EN ISO 12667	Calculated value

### THERMAL PERFORMANCES AEFASTICK 4030

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	( $\lambda$ )	W/mK	0,037	UNI EN ISO 12667	CE Marking
Thermal resistance	(R)	m <sup>2</sup> K/W	1,081	UNI EN ISO 12667	Calculated value
Thermal transmission	(U)	W/m <sup>2</sup> K	0,925	UNI EN ISO 12667	Calculated value

**THERMAL PERFORMANCES AEFASTICK 2040**

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	(λ)	W/mK	0,0344	UNI EN ISO 12667	Cert.n° 049-09-the TR
Thermal resistance	(R)	m <sup>2</sup> K/W	0,581	UNI EN ISO 12667	Cert.n° 049-09-the TR
Thermal transmission	(U)	W/m <sup>2</sup> K	1,721	UNI EN ISO 12667	Cert.n° 049-09-the TR

**THERMAL PERFORMANCES AEFASTICK 4040**

DESCRIPTION	SYMBOL	M.U.	VALUE	NORMS	NOTES
Thermal conductivity	(λ)	W/mK	0,0344	UNI EN ISO 12667	Cert.n° 049-09-the TR
Thermal resistance	(R)	m <sup>2</sup> K/W	1,144	UNI EN ISO 12667	Cert.n° 049-09-the TR
Thermal transmission	(U)	W/m <sup>2</sup> K	0,874	UNI EN ISO 12667	Cert.n° 049-09-the TR

**PHYSICAL-MECHANICAL PERFORMANCES**

DESCRIPTION	M.U.	VALUE	TOLERANCES
Polyester density	Kg/m <sup>3</sup>	20-30-40	± 7 %
Polyester thickness	mm	20-40	± 10 %

DESCRIPTION	M.U.	POLYESTER VALUE	NORMS
Heat resistance	°C	Up to + 120	
Cold resistance	°C	Up to - 40	
Fire rating		B-S2-D0	UNI EN 13501-1:2009

**SPECIFICATION**

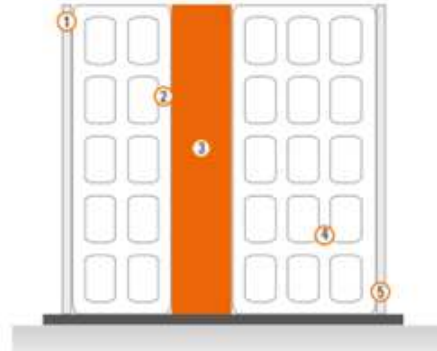
Airborne noises acoustic insulation of double walls obtained with the insertion in the cavity of a sound absorbent and sound impeding panel, made up of thermally bound polyester fibre of 20 and 40 mm thickness with 20 30 e 40 kg/m<sup>3</sup> density, such as AEFASTICK by VALLI ZABBAN.



### APPLICATION WALL



- 1) 1,5 cm. plaster
- 2) Brick work
- 3) AEFASTIK
- 4) Brick work
- 5) 1,5 cm. plaster



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- 5) 1,5 cm. plaster

#### APPLICATION TYPE

Double wall with cavity

#### APPLICATION METHOD

1. Apply the panel in contact with the first made vertical partition making sure to pull them over between them and fixing them using plot of glue or PVC dowels; after the fastening carry out the second closing partition in adjacency with the panel limiting the compression to the minimum.

### DIMENSION AND PACKAGING

SIZE	M.U.	VALUE		
Panel thickness	mm	40-20		
Panel dimension	m	1,20X0,6		
Panel surface	m <sup>2</sup>	0,72		
Weight per m <sup>2</sup>	Kg/m <sup>2</sup>	4020=0,8	4030=1,2	4040=1,6
Number of panels per pallet	pz	120		
Total area per pallet	m <sup>2</sup>	86,40		
Pallet dimension	cm	120x120x240+10		

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