AEFASTICK WALL

SOUND-INSULATING PLASTERBOARD PANEL LAMINATED WITH POLYESTER FIBRE FOR DRY LINING

Multilayer panel for improving the sound insulation of existing walls, consisting of a 12.5 mm thick plasterboard sheet and a 20 mm thick ecological sound-insulating panel (density 50 kg/m^3) made from 'thermo-bonded' polyester fibres. The AEFASTICK WALL panel, applied directly on existing walls with poor acoustic performance and laminated with an additional sheet of plasterboard, considerably increases the soundproofing properties of the wall itself with a reduction in thickness, and is therefore very effective in cases of renovation or refurbishment where the insulation requirements laid down by the Council of Ministers Presidential Decree (D.P.C.M.) have not been met. 5/12/97

ACOUSTIC PERFORMANCE

DRY LINER ON ONE SIDE

LAYER	THICKNESS cm	SURFACE MASS kg/m²
Plaster	1.5	23
Brick in clay	12	92
Plaster	1.5	23
AEFASTICK WALL bonded	***3.25***	***10.6***
Staggered, screwed plasterboard panel	1.25	9

TEST OUTCOMES

DESCRIPTION	SYMBOL	UoM	VALUE	REGULATORY STANDARDS	NOTES
Sound-proofing Power	(R_w)	dB	54	UNI EN ISO 10140-3 UNI EN ISO 717-1	Cert.426926
Sound-proofing power of panel alone	(R_w)	dB	38	UNI EN ISO 10140-2 UNI EN ISO 717-1	DOP

DRY LINER ON BOTH SIDES

LAYER	THICKNESS cm	SURFACE MASS kg/m²
Staggered, screwed plasterboard panel	1.25	9
AEFASTICK WALL bonded	***3.25***	***10.6***
Plaster	1.5	23
Brick in clay	12	92
Plaster	1.5	23
AEFASTICK WALL bonded	***3.25***	***10.6***
Staggered, screwed plasterboard panel	1.25	9

Valli Zabban S.p.A. • Società Unipersonale • Capitale Sociale € 5.000.000 i.v.
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TEST OUTCOMES

DESCRIPTION	SYMBOL	UoM	VALUE	REGULATORY STANDARDS	NOTES
Sound-proofing Power	(R_w)	dB	61	UNI EN ISO 10140-3 UNI EN ISO 717-1	Cert.426925
Sound-proofing power of panel alone	(R_w)	dB	38	UNI EN ISO 10140-2 UNI EN ISO 717-1	DOP

PHYSICAL AND MECHANICAL PERFORMANCE

DESCRIPTION	UoM	POLYESTER VALUE	REGULATORY STANDARDS
Fire reaction classification		B-S1-D0	UNI EN 13501-1:2009

CHEMICAL PERFORMANCE

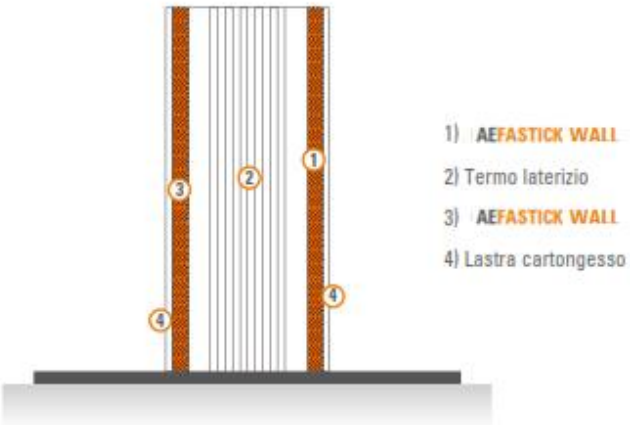
CHARACTERISTICS	PERFORMANCE
Chemical interactions	Highly resistant to acids and alkaline detergents, rot-proof, retains its properties over time
Electrostatics	Does not build up electrostatic charge and impedes interaction between materials
Eco-sustainability	100% recyclable

DESCRIPTION OF SPECIFICATIONS

Increased soundproofing of airborne noise from vertical masonry partitions is achieved by laying a suitable sound-absorbing panel made of 'thermo-bonded' polyester fibres, density 50 kg/m^3 and thickness 20 mm, which also has good thermal insulation properties, laminated with 12.5 mm thick plasterboard sheet, such as AEFASTICK WALL by VALLI ZABBAN, adjacent to the existing wall. The supporting wall is finished off with an additional layer of plasterboard panels fitted offset from AEFASTICK WALL.

The system, applied only on one or both sides of the existing wall of poor soundproofing capacity, for a reduced thickness, is effective in restoring compliance with the minimum insulation requirements laid down by the D.P.C.M. 5/12/97

LAYING - WALL



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LAYING PROCEDURE

DRY LINER LAYING PROCEDURE
1st layer
Fasten the pre-coupled panels to the wall with rawl plugs after they have been perfectly aligned with each other (p.b. side on outside)
FASTENING PROCEDURE: 6 PLUGS PER PANEL
2nd layer
Stagger the additional plasterboard panels to the first layer and screw them onto it; then perform the finishing operations
FASTENING PROCEDURE: SCREWS
IMPORTANT: Plasterboard walls must be decoupled from the existing side structures using elastic material (such as ISOLBAEND) around the entire perimeter.

DIMENSIONS AND PACKAGING

NAME	UoM	VALUE
Thickness	mm	32.5
Panel Dimensions	m	2x1.2
Panel Surface Area	m^2	2.4
Mass per m^2	kg/m^2	10.6
Number of panels per plt	pcs	25
Total surface area per plt	m^2	60
Truck Bed Dimensions	cm	200x120x82+10

Rev. 2– 04/25

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