

**ISOTEC**<sup>®</sup> + **ELYCEM**  
**PARETE** Reinforced Fibre-Cement Board

**INSULATED VENTILATED FACADE WITH TRADITIONAL FINISH:  
ISOTEC PARETE + ELYCEM**



**FOR A VENTILATED AND INSULATING FACADE  
WITH PLASTER FINISH**



## System advantages

An evolution of traditional building techniques and external insulation systems, this solution comes from the combination of Isotec Parete thermal insulating panels with Elycem fibre-cement board, to offer the following advantages:

1. Ready to use
2. Easy to install
3. Ideal for plasterers and cladding technicians
4. No architectural design needed
5. For renovating or creating new facades with plaster finish
6. Strong impact resistance
7. Extreme durability



**NO THERMAL BRIDGES**



**VENTILATION**



**ENERGY SAVING**



**PROTECTION AGAINST MOISTURE,  
HUMIDITY AND INFILTRATION**



**FAST AND COST-EFFECTIVE  
INSTALLATION**



**DURABLE**





## ELYCEM: Reinforced Fibre-Cement Board

# ELYCEM

Elycem is a Portland cement board lightened with mineral aggregates and reinforced on both sides with two layers of fibreglass mesh.

Its high mechanical strength, speed of installation and ease of finishing allows Elycem to be used as a finishing sheet for exterior building walls made with dry or mixed systems, both for new constructions and for renovations. Elycem's flexibility, modularity and sturdiness makes it an effective plaster carrier for ventilated facades, providing protection in all weather conditions. Once the sheet has been installed, the joints can be grouted and the surface levelled. The board is resistant to weathering and to numerous chemical agents and weighs approx. 14.2 kg per square metre. Brianza Plastica supplies the appropriate fixing screws, while the mesh, levelling grout, canvas sheet and other components can be purchased separately, according to the technical datasheet provided.



Fixing screws



## Elycem technical datas

FEATURE	U.M.	VALUE	STANDARD REFERENCE
Fire performance classification	Class	A1 / A	EN 13501-1
Thermal conductivity	W/mK	0,174	UNI EN ISO 8990
Mechanical resistance	Category Class	B 2	UNI EN 12467
Tolerance level	W/m <sup>2</sup> K	1	UNI EN 12467

CE-marking in accordance with Regulation 305/2011/CE, UNI EN 12467 standard.  
System 3, Istedil S.p.A. (0529) notified body.



# Installation of Elycem Cement Board

## Installation of Elycem Board



Once the Isotec Parete panels have been installed, the Elycem cement board can be fixed. Position the board vertically, perpendicular to the Isotec Parete metal stiffener and fix with appropriate screws, placed at a distance of 20 mm from the edge and at a maximum distance of 200 mm from each other. Position the screw head so that it is aligned (on the same plane) with the surface of the board. Leave a distance of 3 mm between one cement board and the next, along the vertical edges of the sheet (long side). Place the horizontal joints side by side (short side) and stagger by at least 600 mm on the long side.

## Grouting of Joints



Once the boards have been fixed, the joints of the Elycem can be grouted. The grouting is applied in a single layer with a thickness of 2/3 mm, with the reinforcement mesh laid on top, making sure not to overlap it.

Once the joints have been grouted, level the entire surface of the Elycem boards with levelling grout, on which will be embedded the reinforcement mesh. Apply the cement-based levelling grout on the surface with a 10 mm toothed trowel. Then place the mesh on top, with an overlapping of 100 mm on all sides.

## Levelling and Painting



Complete the process with a final levelling of the surfaces by applying a 7 mm-thick layer of levelling grout. Wait about an hour before passing a sponge over the levelling grout to obtain a smooth plaster surface.

Once the surface has dried, the colour can then be applied.



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ISO 9001:2015  
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