

VIPEQ EIFS (EXTERNAL INSULATION FINISH SYSTEM)



Full project cost, including technical supervision (VAT not included): €68,000

Cost per dwelling: €17,000 (before subsidies)

Rehabilitation of residential buildings on Berriozar Street, Txantrea	
REAL consumption of one of the dwellings (variable term):	
Consumption 2015 (kWh)	Consumption 2016 (kWh)
217	161
820	261
2381	1083
4708	910
2134	697
215	152
10475 kWh/year	3264 kWh/year
Total consumption before renovation:	Total consumption after renovation:
158,71 kWh year/m ²	49,45 kWh year/m ²
ANNUAL SAVINGS per dwelling: €576.88	



Nasuvinsa (Navarra de Suelo y Vivienda S.A.), the public housing agency, quantified an energy saving of approximately 70% in a façade rehabilitation executed with the VIPEQ EIFS external insulation system using 60 mm cork insulation board.



EIFS (External Insulation Finish System)

Composed of natural cork agglomerate boards anchored to the substrate using polypropylene fixing dowels with expansion pins and protected against weathering with CORK FIX or lime mortars. Final decorative finish applied with VIPEQ projected cork F08/F09.

INSULATION BOARD ADHESIVE LAYER

- ISOVIT LIGHT FLEX lime-based mortar

INSULATION BOARD

In addition to adhesive, boards are mechanically fastened with polypropylene dowels in all cases.

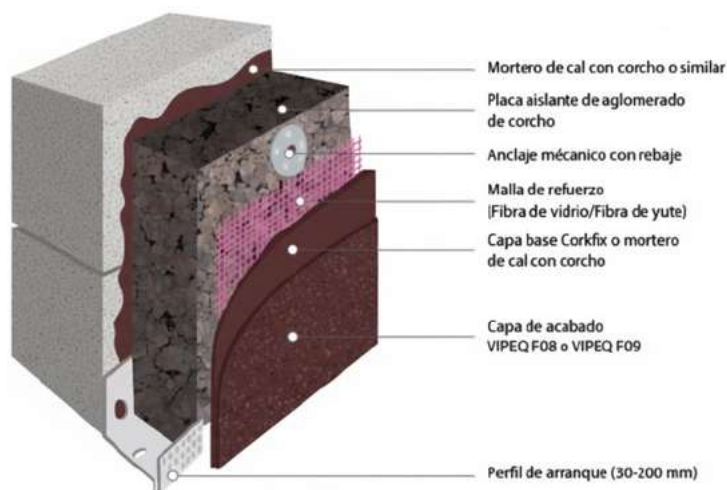
- ICB cork agglomerate board (recommended)
- Rock wool panels
- Stabilized EPS (expanded polystyrene) for EIFS
- Wood fiber board

LEVELING LAYER FOR INSULATION BOARDS

- CORK FIX with painter's mesh for façades with good flatness and cork insulation
- VIPEQ EIFS lime mortar with 160 g fiberglass mesh
- ISOVIT LIGHT FLEX lime mortar with 160 g fiberglass mesh

DECORATIVE AND PROTECTIVE FINISH

- VIPEQ F08 coarse-texture projected cork
- VIPEQ F09 fine-texture projected cork





PROPERTIES OF ISOVIT LIGHT FLEX

Adhesive and surface-leveling mortar for façades and insulation boards, based on Natural Hydraulic Lime (NHL) and expanded cork particles.

APPLICATIONS

- Adhesive for insulation boards (especially cork agglomerate panels) used in VIPEQ EIFS external insulation systems
- Protection and leveling of insulation materials within VIPEQ EIFS.

CHARACTERISTICS

- Estimated coverage: 4–5 kg/m² as adhesive and 4–5 kg/m² as leveling layer.
- Beige color.
- Excellent vapor permeability
- Absorbs CO₂ through carbonation.

PACKAGING

- 20 kg bag. Pallet of 60 bags (1,200 kg total).



PROPERTIES OF ICB CORK BOARD

Natural insulation providing excellent protection against cold and humidity, contributing to significant energy savings. Due to its density, it provides substantial reduction of exterior noise.



APPLICATIONS

- Insulation board for VIPEQ EIFS (External Insulation Finish System).
- Interior insulation systems, internal partitions, and floors.
- Roof and deck insulation.

CARACTERÍSTICAS

- Density: 105–130 kg/m³
- Thermal Conductivity Coefficient (λ): 0.036–0.040 W/m·K
- Board dimensions: 1000 × 500 mm
- Available thicknesses: 10–300 mm
- Excellent breathability

THERMAL INSULATION VALUES

Thickness mm	R m²k/W	K W/m²k	Boards/Pack	m²	m³
10	0.25	4.00	30	15	0.150
20	0.50	2.00	15	7.5	0.150
25	0.65	1.60	12	6	0.150
30	0.75	1.33	10	5	0.150
40	1.00	1.00	8	4	0.160
50	1.25	0.80	6	3	0.150
60	1.50	0.667	5	2.5	0.150
70	1.75	0.571	4	2	0.140
80	2.00	0.500	4	2	0.160
90	2.25	0.444	3	1.5	0.135
100	2.50	0.400	3	1.5	0.150

