



R.A.M.E.C.®

EVOLUTION PANEL

Structural sandwich panel for load-bearing laminated timber frame walls.

WHAT IT IS

It is a sandwich patented panel for the realization of modular frame walls, with a vertical and horizontal beam structure of fir lamellar wood, and it includes recyclable natural fibers insulation.

Ecological, high energy saving, sound absorbing and ideal for anti-seismic constructions.

HOW IT IS MADE

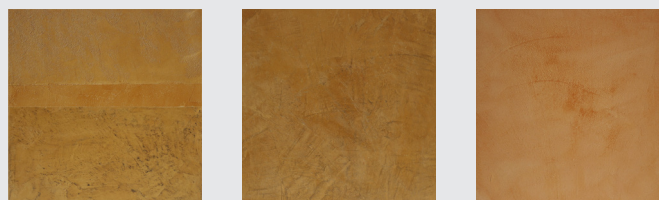
- Water-repellent multi-plywood panel, supplied already shaved with special cocchio pesto plaster
- FVC mats
- Compact glass wool IGW4 mat
- Water repellent multi-plywood panel, supplied already shaved with special natural lime and hempen mixture

ADVANTAGES

- Ecological and recyclable product
- Excellent heat and acoustic insulation
- Antiseptic, antibacterial and anti-mould
- Physical and environmental comfort
- Durable product
- High energy savings
- Ideal for earthquake-proof buildings
- Quick laying and construction
- It is possible to insert electrical and plumbing systems into the wall on project
- Natural heat-regulating panel, both in summer and in winter



Interior side cocchio pesto
Finish plaster





FIELDS OF USE

Building

VARIANTS

Possible natural materials, with the function of heat and acoustic insulation, whose combination can vary according to specific requests and environmental locations: blond cork, linen wool, rock wool, sheep wool, wood fiber, coconut fiber.

DATA SHEET

- Total standard wall thickness: 16 cm minimum
- 16 cm thick wall thermal transmittance: $U = 0.14$
- Frame in naturally seasoned fir lamellar beams
- Possible realization of frame walls with a maximum length of 12.00 m and a height of 2.80 m
- Coccio pesto: it has a thermal performance higher than usual lime and sand plasters and a high dehumidification capacity. Reaction to fire: class A1
- Lime and hempen plaster: it regulates the internal humidity of the rooms and is an excellent heat insulator

The special mixtures in coccio pesto and in lime and hemp are exclusive products made by the company MGN srl in Schio (VI) for R.A.M.E.C. srl



Exterior side lime and hempen mixture
Bottom plaster