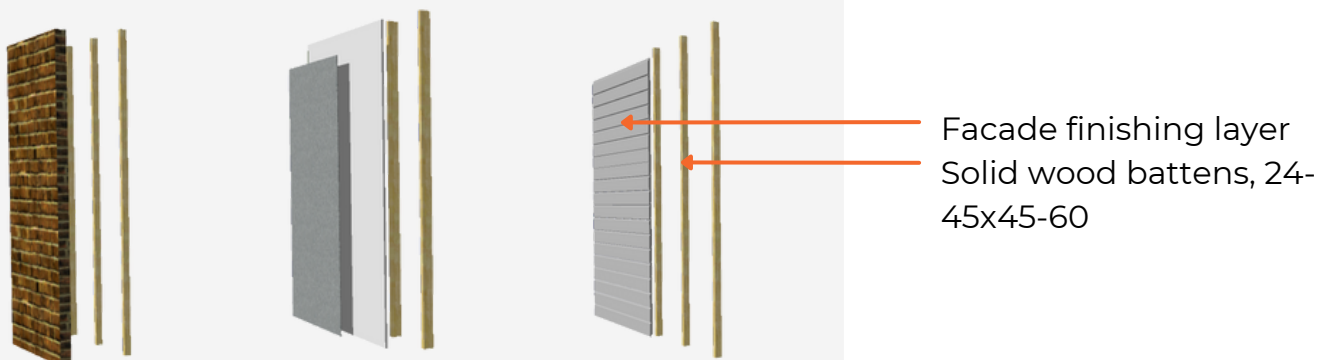


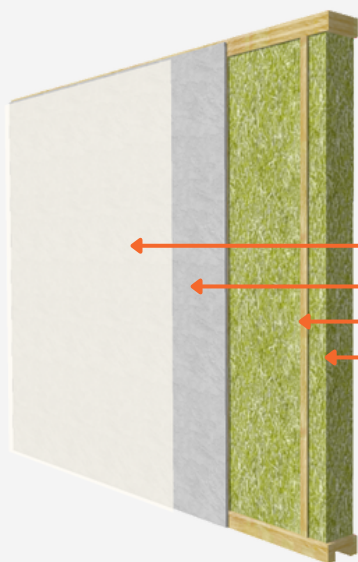
# CE CERTIFIED PANELS STRUCTURE GILDERA BUILDING FRAME KIT

## EXTERNAL WALLS

### EXTERIOR FINISHING



### LOAD BEARING STRUCTURE



$$U=0.171 \text{ W}/(\text{m}^2\text{K})$$

Breather membrane  
Gypsum plasterboard, 9.5 mm  
Structural frame, 195x45mm  
Thermal insulation, 200mm

$$U=0.21 \text{ W}/(\text{m}^2\text{K})$$

Breather membrane  
Gypsum plasterboard, 9.5 mm  
Structural frame, 145x45mm  
Thermal insulation, 150mm

$$U=0.275 \text{ W}/(\text{m}^2\text{K})$$

Breather membrane  
Gypsum plasterboard, 9.5 mm  
Structural frame, 95x45mm  
Thermal insulation, 100mm

### INNER LAYERS



\*\*\* Facade finishing is organized by the client. Gypsum boards for interior finishing are delivered as loose materials to the building site.

# ROOFS

## PITCHED ROOF

### EXTERIOR FINISHING

Roof covering  
(Concrete, Ceramic,  
Steel, Composite tiles)  
Solid wood battens,  
45x45-60mm  
Solid wood battens,  
45x45mm

Bitumen/polymer  
reinforced sheets  
Wood based board,  
18-22mm  
Solid wood battens,  
45-95x45-60mm

## FLAT ROOF

### LOAD BEARING STRUCTURE

**$U=0.147 \text{ W}/(\text{m}^2\text{K})$**

Roof breather membrane  
Structural frame, 245x45-60 mm/ I-beams, 245x45-  
90mm  
Thermal insulation, 245mm  
Vapor barrier

**$U=0.174 \text{ W}/(\text{m}^2\text{K})$**

Roof breather membrane  
Structural frame, 195x45-60 mm  
Thermal insulation, 195mm  
Vapor barrier

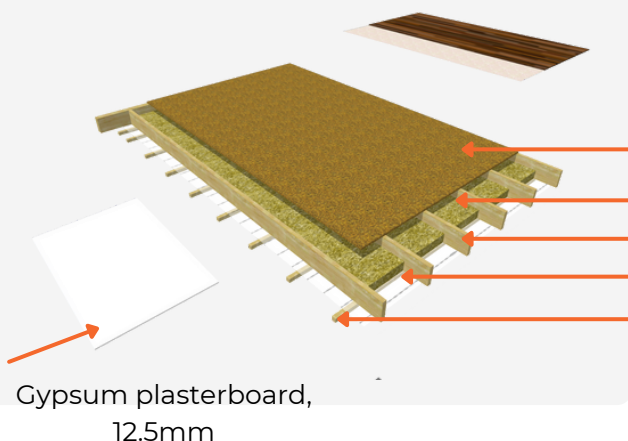
### INNER LAYERS

Thermal insulation, 45mm  
Solid wood battens, 45x45mm  
Gypsum plasterboard, 12.5mm

Thermal insulation, 45mm  
Solid wood battens, 45x45mm  
Gypsum plasterboard, 12.5mm

\*\*\* Roof finishing can be ordered from us or taken care of by the client. Gypsum boards for interior finishing are delivered as loose materials to the building site.

## CEILING PANELS



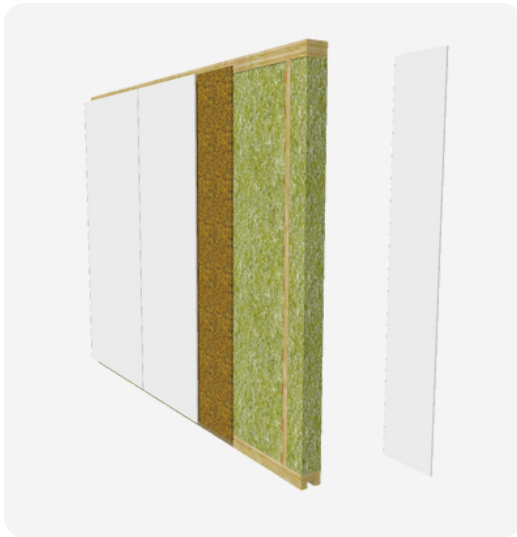
Wood-based board, 18-22mm  
Thermal insulation, 100mm  
Structural frame, 220x45mm / I-beams, 240x45mm  
Mesh or ropes for insulation  
Solid wood battens, 45x45mm

Gypsum plasterboard,  
12.5mm

\*\*\* Floor finishing is installed by the client. Gypsum boards for interior finishing are delivered as loose materials to the building site.

# INTERNAL WALLS

## INTERNAL LOAD-BEARING WALLS



Gypsum plasterboard, 12.5mm  
Wood based board, 12mm  
Structural frame, 95-145x45mm  
Thermal insulation, 95-145mm  
Gypsum plasterboard, 12.5mm

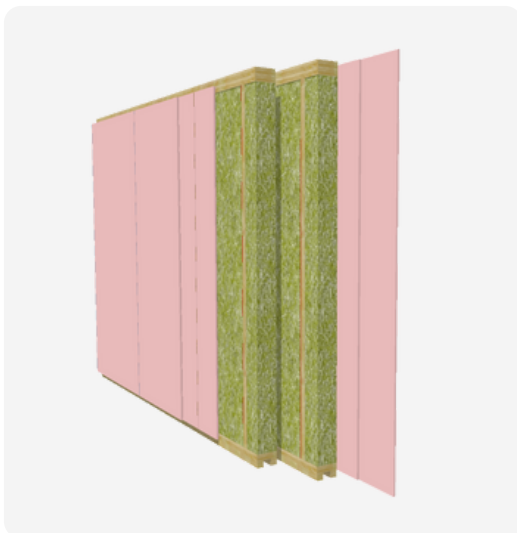
## INTERNAL PARTITIONS



Gypsum plasterboard, 12.5mm  
Structural frame, 95x45mm  
Thermal insulation, 95mm  
Gypsum plasterboard, 12.5mm

\*\*\* Gypsum boards are installed in the factory on one side of the panels, boards for finishing the other side of the panel are delivered as loose materials to the building site.

## COMPARTMENT WALL / FIREWALL



Cartongesso, 12.5mm  
Cartongesso, 12,5 mm  
Telaio strutturale, 95-145x45mm  
Isolamento termico, 100-145 mm  
Rete o corde per l'isolamento  
Traferro  
Rete o corde per l'isolamento  
Telaio strutturale, 95-145x45mm  
Isolamento termico, 100-145 mm  
Cartongesso, 12,5 mm  
Cartongesso, 12,5 mm

\*\*\* Fully finished panels are delivered to the building site.