

CE CERTIFIED PANELS STRUCTURE

GILDERA BUILDING FRAME KIT

EXTERNAL WALLS

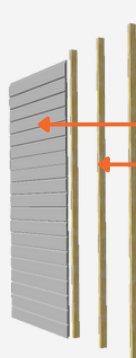
EXTERIOR FINISHING LAYERS



BRICKS



PLASTER

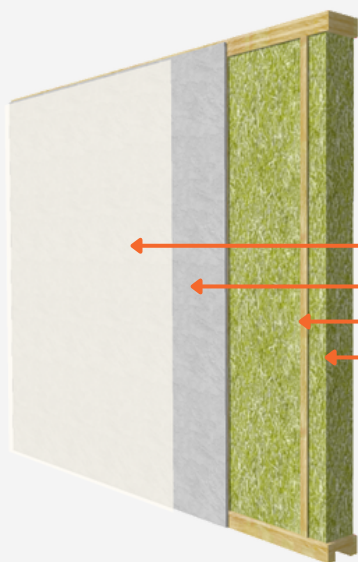


WOODEN CLADDING

Facade finishing layer

Solid wood battens, 24-45x45-60 mm

LOAD BEARING STRUCTURE



$U=0.145 \text{ W}/(\text{m}^2\text{K})$

Breather membrane
 Gypsum plasterboard, 9.5 mm
 Structural frame, 245x45mm
 Thermal insulation, 245mm

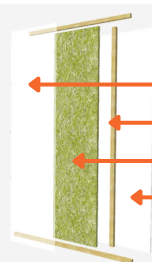
$U=0.171 \text{ W}/(\text{m}^2\text{K})$

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

$U=0.210 \text{ W}/(\text{m}^2\text{K})$

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

INNER LAYERS



Vapour barrier

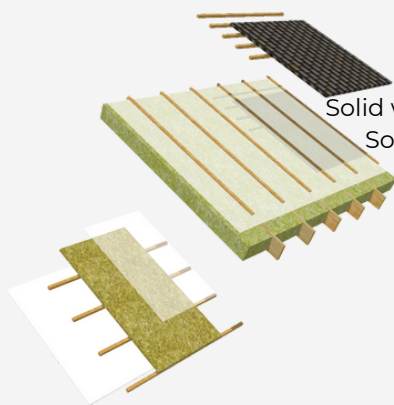
Solid wood battens, 45x45mm

Thermal insulation, 45mm

Internal panelling, 12.5mm

ROOFS

PITCHED ROOF



$U=0.112 \text{ W}/(\text{m}^2\text{K})$

Roof breather membrane
Structural frame, 300x45 mm / I-beams, 300x45mm
Thermal insulation, 300mm
Vapour barrier
Thermal insulation, 95mm
Solid wood battens, 95x45mm
Gypsum plasterboard, 12.5mm

TOP LAYERS FOR ROOFING

Roof covering
Solid wood battens, 45x45-60mm
Solid wood battens, 45x45mm

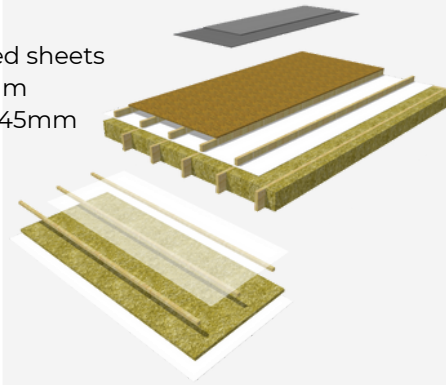
Bitumen/polymer reinforced sheets
Wood based board, 18-22mm
Solid wood battens, 45-95x45mm

LOAD BEARING AND INNER LAYERS

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

Roof breather membrane
Structural frame, 245x45-60 mm/ I-beams, 245x45-90mm
Thermal insulation, 245mm
Vapour barrier
Thermal insulation, 45mm
Solid wood battens, 45x45mm
Gypsum plasterboard, 12.5mm

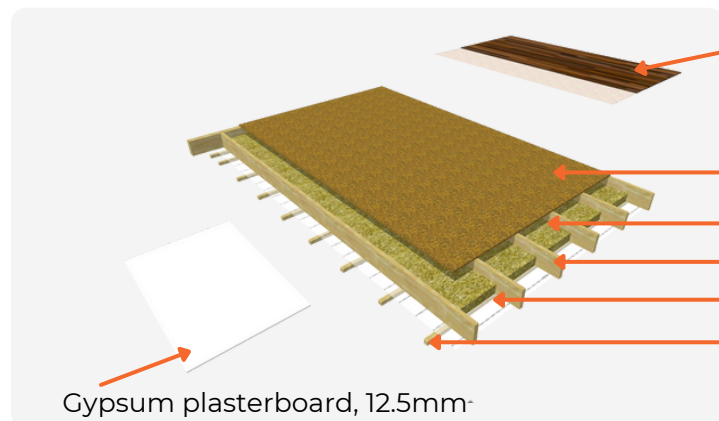
FLAT ROOF



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

Roof breather membrane
Structural frame, 195x45-60 mm
Thermal insulation, 195mm
Vapour barrier
Thermal insulation, 45mm
Solid wood battens, 45x45mm
Gypsum plasterboard, 12.5mm

CEILING PANELS



Floor finishing layers

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

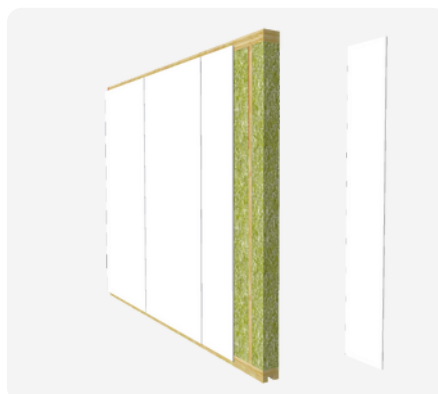
INTERNAL WALLS

LOAD-BEARING WALLS



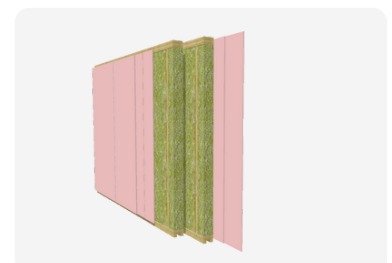
Gypsum plasterboard, 12.5mm
Wood based board, 12mm
Structural frame, 95-145x45mm
Thermal insulation, 95-145mm
Gypsum plasterboard, 12.5mm

PARTITIONS



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

COMPARTMENT WALL / FIREWALL



2 layers Gypsum plasterboard, 12.5mm
Structural frame, 95-145x45mm
Thermal insulation, 100-145 mm
Mesh or ropes for insulation
Air Gap
Mesh or ropes for insulation
Structural frame, 95-145x45mm
Thermal insulation, 100-145 mm
2 layers Gypsum plasterboard, 12.5mm

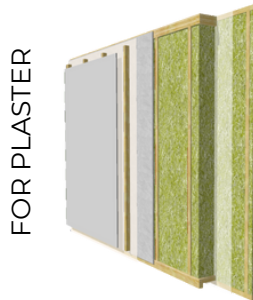
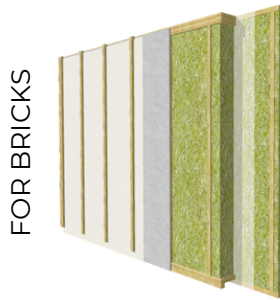
GILDERA BUILDING FRAME KIT

DELIVERY SET OPTIONS

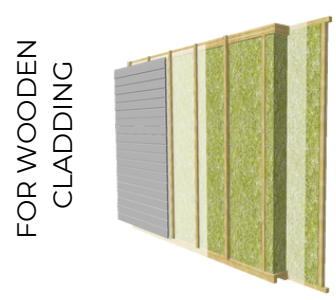
CLOSED PANELS SET

EXTERNAL WALLS

Facade finishing is taken care of by the client



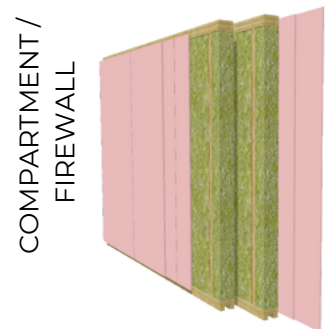
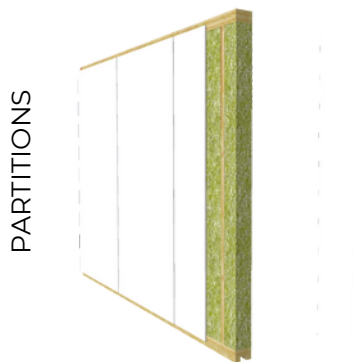
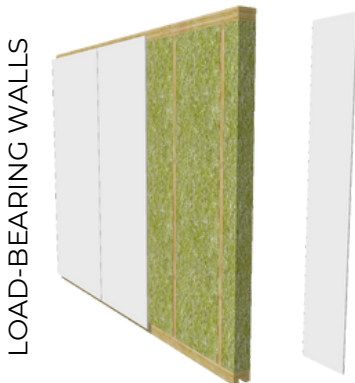
Facade finishing is completed in the factory



Panels come ready for services installation.

Gypsum plasterboard for interior finishing delivered to the building site on palettes.

INTERNAL WALLS



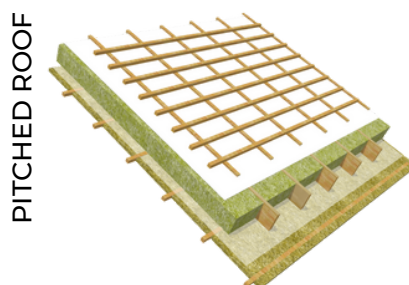
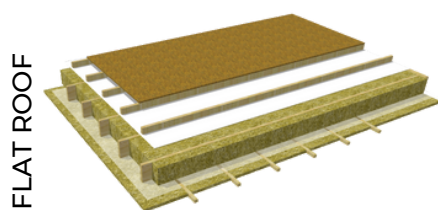
The plasterboard is attached to one side of the panel and delivered for the other side.

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Fully finished panel.

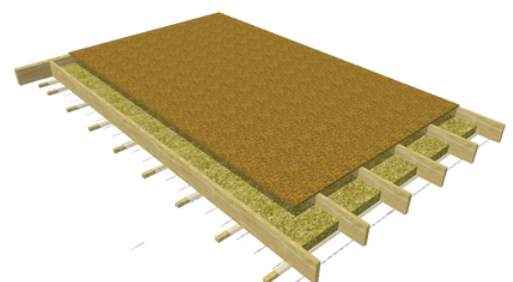
ROOF

Roof finishing taken care of by the client.



CEILING

Floor finishing layers taken care of by the client.



Panels come ready for services installation.

Gypsum plasterboard for interior finishing delivered to the building site on palettes.

INSULATED PANELS SET

EXTERNAL WALLS

Facade finishing is taken care of by the client

FOR BRICKS
FOR PLASTER
FOR WOODEN
CLADDING



Panels come with outer membrane and wind resistant plasterboard and insulated frame.
Materials for the interior side of the panel can be delivered.

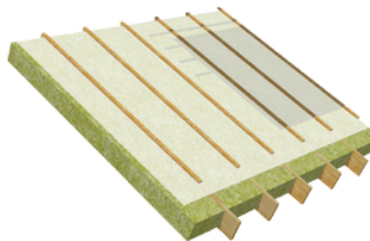
ROOF

The roof finishing is taken care of by the client.

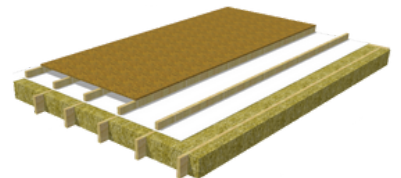
The load-bearing frame panel is insulated.

Materials required for the interior of the panels can be delivered.

PITCHED ROOF



FLAT ROOF

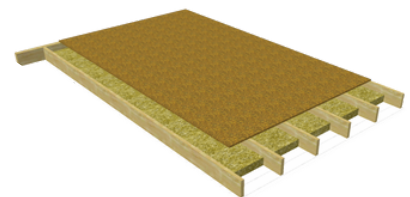


INTERNAL WALLS

Open uninsulated frame is delivered in panels. Other materials requested by the client can be delivered.



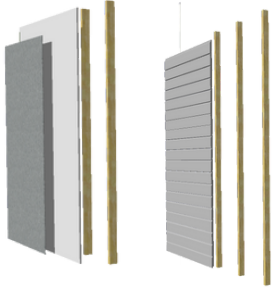
CEILING



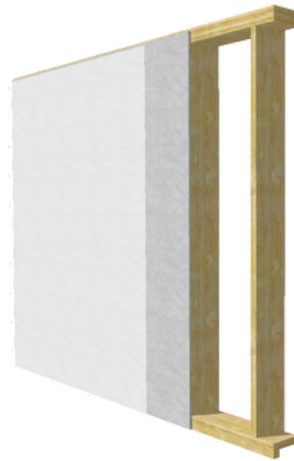
Floor finishing layers taken care of by the client.
The load-bearing frame panel is insulated.
Materials required for the services gap and ceiling finishing can be delivered.

OPEN PANELS SET

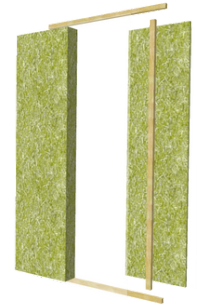
EXTERNAL WALLS



Facade finishing is taken care of by the client.



Open panel with a windproof drywall board and a breather membrane is delivered.



Requested materials for insulation and sealing can be delivered.

INTERNAL WALLS

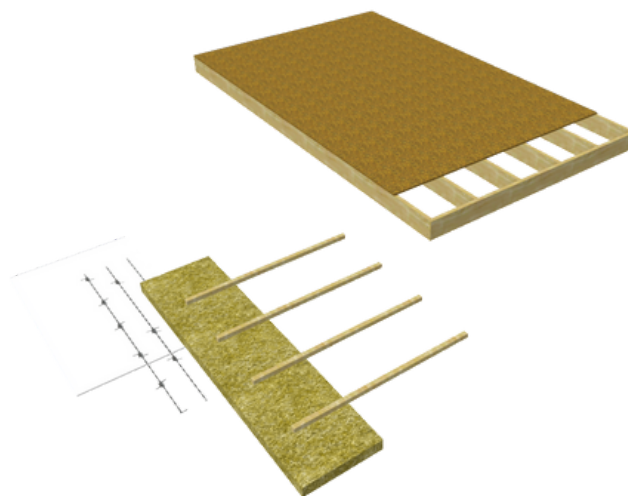
Timber frame open panels are delivered.
Other materials requested by the client can be delivered.



ROOF

Only rafters/trusses are delivered. Other materials requested by the client may be delivered.

CEILING



Delivered in panels: frame + top board
Other materials requested by the client can be delivered.