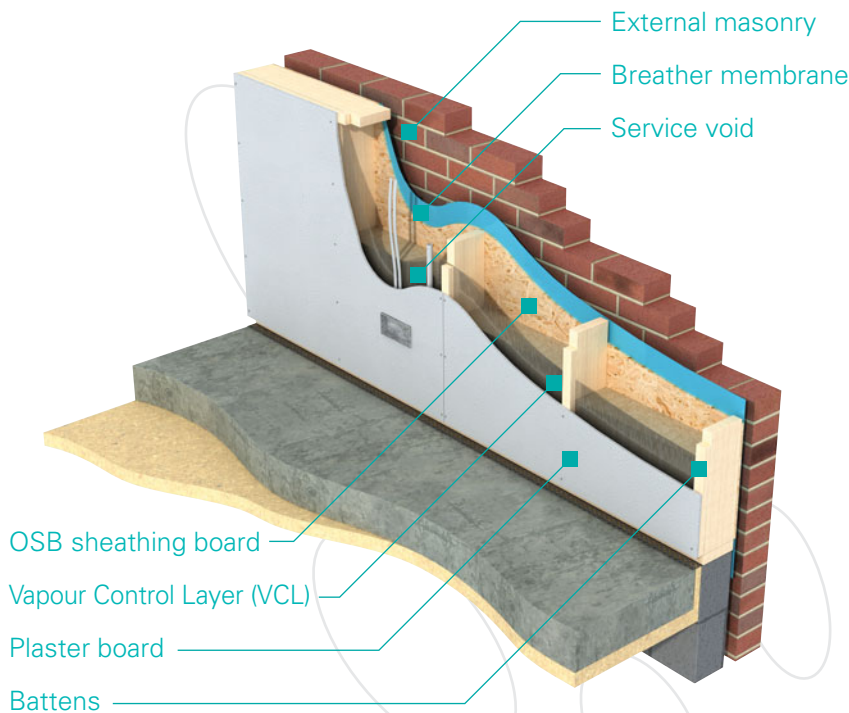


BuildaFrame 140



DESCRIPTION

Builders and developers who require quality, robustness and value for money will welcome this wall frame. The wall frame provides superior levels of thermal resistance to comply with Part L. The BuildaFrame 140 forms part of a system that is quick and easy to erect, is supplied with comprehensive assembly drawings and instructions, and is available either as a supply and erect package or supply only. This frame is supplied as standard as a maximum 2400mm long open panel system, eliminating the need for cranes on most two storey buildings.

ADVANTAGES

- Excellent thermal properties
- Value for money
- Simple and quick to erect
- Accurate, precision engineered product
- Excellent strength and durability
- Dry and clean building system

AVAILABLE EXTRAS

- Frame insulation
- Service void battens
- Internal wall linings
- SAP calculations provided free of charge
- Also available in a closed panel system

DATA

Structural members

38mm x 140mm softwood timber studs and rails. Studs at max 600mm centres

Sheathing board

9mm orientated strand board

Breather membrane

Proctor FrameShield 100 (or similar)

U value*

0.29W/m²K

Max panel length

2400mm

BRE Green Guide for housing specification

A rated

Fire rating

When lined with 12.5mm gyproc wall board duplex (or similar), fixed in accordance with the manufacturer's instructions, the BuildaFrame 140 gives 30 minutes fire resistance to BS 476: part 21. Greater fire resistance can be achieved if necessary. Please consult BuildaKit for further details.

Finishing

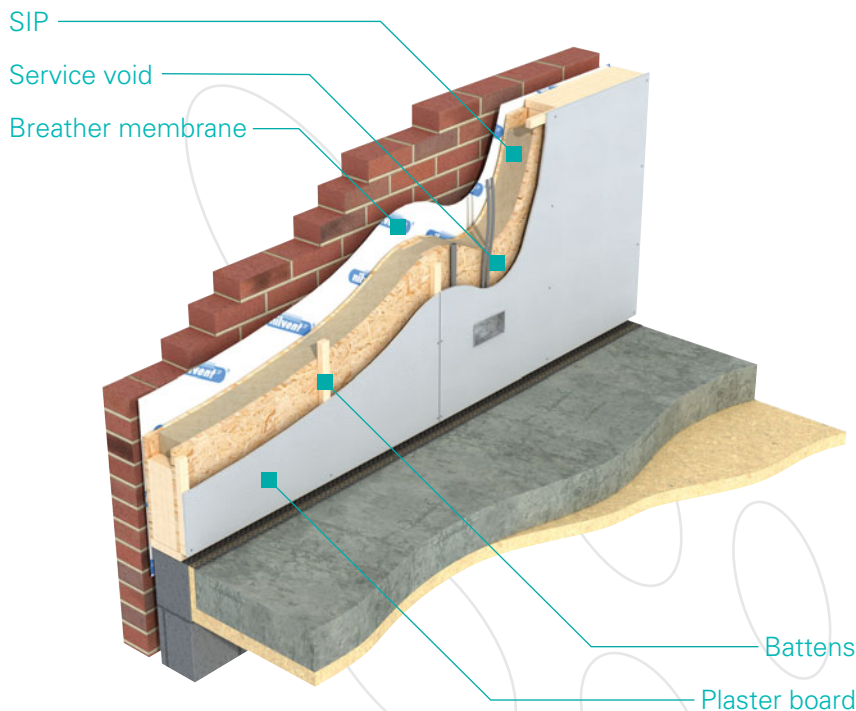
Generally this type of wall frame is finished using 12.5mm plasterboard. Boards can be skimmed prior to the application of a decorated finish or alternatively joints and nail holes can be taped and filled using a dry lining system.

Airtightness

An airtightness of 4m³ per hour can easily be achieved.

*U values based on 140mm insulation with an R value of 40 and wall frame having a timber fraction of no greater than 15%.

BuildaFrame SIP



DESCRIPTION

The Structurally Insulated Panel (SIP) provides an ideal solution for those clients who wish to produce a low carbon airtight building. Because of their superior strength, SIP buildings are constructed using far less timber than is required for a traditional timber frame. This results in an external envelope with very few thermal bridges and very low U values. SIPs are suitable for external walls as well as roof structures and are ideally suited to projects with room in the roof design. Buildakit's SIPs are made from Orientated Strand Board (OSB) facing boards with a CFC free/ODP zero closed cell polyurethane core. The Buildakit SIP forms part of a system that is quick and easy to erect, is supplied with comprehensive

detailed drawings and instructions, and is available either as a supply and erect package or supply only.

This panel is available in a range of thicknesses and is supplied in 1200mm wide modules up to 6500mm long.

ADVANTAGES

- Exceptional thermal properties
- Lower home heating bills
- Superior airtightness
- Robust solid skin
- Lightweight
- Able to cut CO₂ use
- Accurate, precision engineered product
- Superior strength and durability
- Simple and quick to erect
- Dry and clean building system

AVAILABLE EXTRAS

- Service void battens
- Internal wall linings
- SAP calculations provided free of charge

DATA

Structural members

SIPs with infill timbers

Sheathing board

The two OSB facing layers integrated with the SIP provide racking resistance

U value

0.22 W/m²K and lower depending on panel thickness

Max panel length

Panels are supplied in 1200mm wide modules up to 6500mm long

Fire rating

When lined with 12.5mm gyproc wall board duplex (or similar), fixed in accordance with the manufacturer's instructions, the Buildakit SIP achieves 30 minutes fire resistance to BS 476: part 21. Greater fire resistance can be achieved if necessary. Please consult Buildakit for further details.

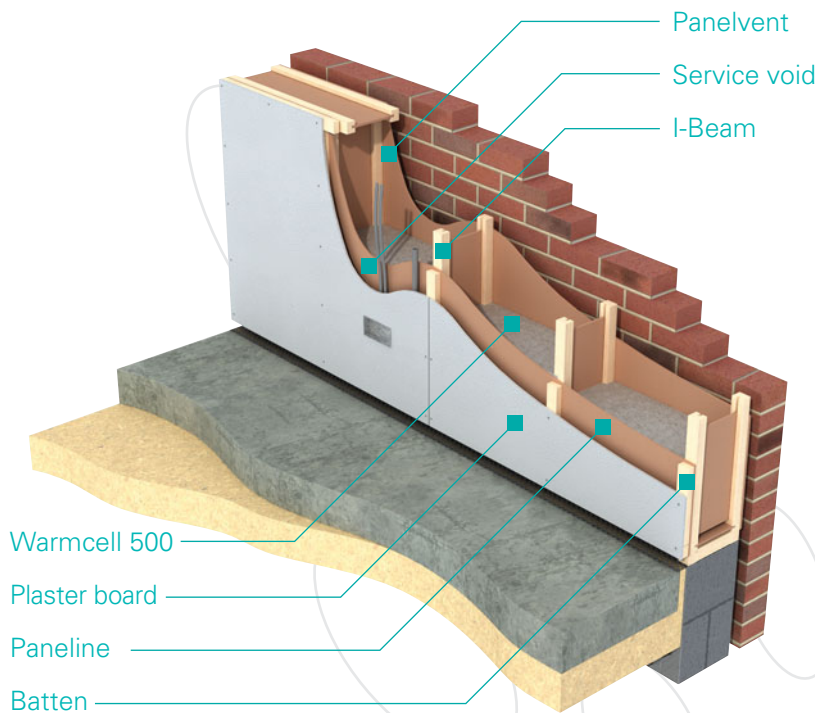
Finishing

Generally this type of wall frame is finished using 12.5mm plasterboard. Boards can be skimmed prior to the application of a decorated finish or alternatively joints and nail holes can be taped and filled using a dry lining system.

Airtightness

An airtightness of 2m³ per hour can easily be achieved.

BuildaFrame I-Beam



DESCRIPTION

The BuildaFrame I-Beam is aimed at builders, self-builders and architects looking for a truly sustainable building solution. This frame is built around a structural core of I-Beams and is based on Enhanced Vapour Transfer (EVT) technology. The I-Beam panel forms part of a system that promotes a healthy living environment by allowing the migration of water vapour through the wall of the dwelling. I-Beams used in this panel minimise cold bridging through the wall, achieving exceptional levels of thermal resistance. The components used in the manufacturing process originate from a truly sustainable raw material source. The I-Beam panel forms part of a system that is quick and easy to erect, is supplied with comprehensive assembly drawings and instructions, and is available as a supply and erect package. The frame is available in open and closed panel

systems, comes in a range of wall thicknesses and has a maximum manufactured length of 4800mm.

ADVANTAGES

- Exceptional thermal properties
- Exceptional environmental credentials
- From a truly sustainable raw material resource
- Promotes a healthy living environment
- Able to cut CO2 use
- Accurate, precision engineered product
- Excellent strength and durability
- Simple and quick to erect
- Dry and clean building system

AVAILABLE EXTRAS

- Frame insulation
- Service void battens
- Internal wall linings

- SAP calculations provided free of charge
- Also available in a closed panel system

DATA

Structural members

I-Beam studs and rails. Studs at max 600mm centres

Sheathing board

Panelvent (externally)
Paneline (internally)

Breather membrane

Not required

U value

0.232 W/m²K down to 0.122W/m²K

Max panel length

4800mm

BRE Green Guide for housing specification

A rated

Fire rating

Official fire tests on an EVT wall panel using warmcell insulation demonstrated that it was able to withstand temperatures of up to 1000°C for over 70 minutes, well beyond the building regulations' requirements of 30 and 60 minutes.

Finishing

Generally this type of wall frame is finished using 12.5mm plasterboard. Boards can be skimmed prior to the application of a decorated finish or alternatively joints and nail holes can be taped and filled using a dry lining system.

Airtightness

An airtightness of 4m³ per hour can easily be achieved.