

Fletcher Protect™ Intertenancy and Party Wall Foil Faced Blanket

Introduction

This installation guide provides installation recommendations for Fletcher Protect™ Party Wall insulation supplied in blanket form and installed in NCC class 1 building Party Walls (fire rated separating walls) to compress fill vertical joints, any gaps/junctions between the top of the party wall and the underside of the roof, any gaps between services and the party wall, for adequate fire protection.

General Information

- Fletcher Protect™ Party Wall Blanket is supplied in a standard size to suit most applications.
- Avoid gaps in insulation to ensure fire safe in fire separating constructions.
- Avoid using multiple small offcuts to fill single areas; opt for larger single pieces to be purpose cut to fill larger gaps.
- All insulation shall be installed in accordance with AS3999.
- Refer to latest ICANZ installation handbook Part 2: Professional Installation Guide for further information and tips.
- Ensure that all safety assessments are carried out relevant to the project and all site safety requirements are strictly adhered to.
- Ensure roof space areas are adequately ventilated. Roof spaces can become very hot, particularly in warm weather. Take breaks and drink plenty of water to get relief from the heat.
- Not suitable for bush fire BAL-FZ rating constructions.
- Electric cables and equipment partially or completely covered with bulk thermal insulation may overheat and fail. Refer to AS3999:2015 – Section 2.6 for details.
- Where cutting is required, use a sharp serrated edge knife (drywall knife, bread knife or small hand saw), cutting insulation with power tools is not recommended.
- Fletcher Protect™ Party Wall Batts are not designed to withstand weathering; hence external cladding should be applied without delay. These insulation products are not suitable for applications where they would be subject to wetting or excessive moisture.

Material required

- Prior to installation calculate the amount of Insulation and fixings required for the installation.
- Measure the sq.m of area to be insulated.
- Coverage of each pack of Fletcher Protect Party Wall Blanket is provided on the relevant technical data sheet.
- Simply divide the area or length to be insulated by the coverage per bag to determine the number of bags to order.
- Allow for minimum 20% compression and wastage as general rule allow for 5% wastage for simple areas and greater allowances for more complex areas.

Accessories

- Generally, Fletcher Protect™ Party Wall Blanket will stay in place when installed prior to roof sheeting being installed. Where Party Wall Blanket is to be left exposed for extended periods stringing may be used to hold the product in place.
- Simple stringing such as pvc tape can be used. Any stringing selected should minimise the unevenness of contact of the plasterboard against the framing.

Tools



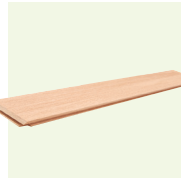
Tape measure

To measure lengths required.



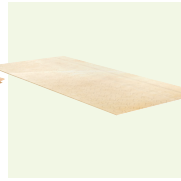
Sharp knife

With a plastic (non-conductive) handle for cutting insulation to size.



Straight edge

For cutting.



Cutting board

Or hard, durable surface.



Clothing & PPE

Appropriate wear for site (refer sections below).



Ladder

Or scaffolding as needed.



String/twine

If insulation is to be left for an extended period.



Staple gun

With non-metallic staples to staple stringing if needed.



Torch

For use in roof spaces



Kneeling board

To span two joists if needed to install insulation within roof spaces.



Serrated Knife

A serrated knife for cutting stone wool.

PPE

Personal Protective Equipment (PPE) must be compliant with the requirements of the specific worksite. Check with site foreman or site representative to ensure that required PPE obligations are met. As a recommendation for handling and installing insulation, the following PPE is recommended:



Site specific PPE

Must always be worn. Where installation is above head height safety glasses must be worn.



Eye protection

Suitable eye protection to AS 1336 reduces the risk of eye contact with dust or fibres.



Gloves

Gloves are recommended, especially when cutting insulation.



Work clothes

Loose fitting clothes, including long pants, long sleeved shirts, cap and gloves should be worn. Long sleeves recommended.



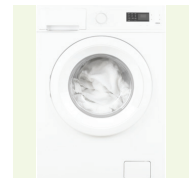
Dust mask

A dust mask is recommended when working in dusty areas.



Safety shoes

Safety boots/shoes must be worn to protect feet.



Separate wash

Wash your clothes separately and rinse the washing machine after use.

Safety



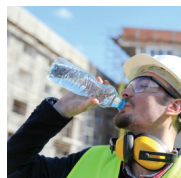
Assess

Assess the building structure and site for any safety issues prior to commencing work.



Check

Before entering a ceiling space, make note of the location of equipment in the ceiling such as lighting luminaires, exhaust fans and fire sprinklers.



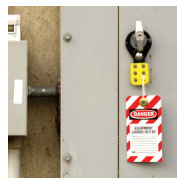
Stay hydrated

Ceiling spaces can be hot and poorly ventilated; get relief and fresh air regularly and stay hydrated.



Electrical wires

Ensure the work area is safe from hazards including electrical cabling. Working near live electrical wiring is extremely dangerous; use caution to avoid touching any live electrical cables.



Isolate power

If accredited, isolate power at the circuit board where necessary and apply caution tags to circuit breakers.



Electrician

If not accredited, ask appropriate site representative to isolate power at the circuit board where necessary and apply caution tags to circuit breakers.



Height

When installing insulation, working at height can be dangerous; exercise caution when climbing ladders or accessing elevated platforms.

Intertenancy and party walls

- Measure and cut blanket to the required dimensions and shapes.
- Blanket supplied in a 5 metre roll at 1200mm width and can easily be cut with a serrated knife.
- A single layer of Protect Party Wall blanket is preferred.
- Install with the foil facing down
- Compression-fit (minimum 20% compressed) the insulation into the space between the top of the fire rated wall and the roofing membrane, ensuring there are no gaps between the insulation and the top of the wall or roofing membrane.
- A secure and tight fit is recommended for any gaps/voids.
- Avoid direct UV or weather exposure during and after applications.
- Ensure that the insulation is securely held in place and will not collapse or fall over.
- Butt the insulation tightly together to ensure there are no gaps left at joints. When a batt is required to be extended in length, a tight fit is recommended to be made to both ends of each batt to provide a secure butt joint.
- Offcuts may be used to fill small spaces to ensure complete coverage.
- Fletcher Protect Stonewool must not be crossed by any timber or other combustible building element with the exception of Roof battens of 75mm x 50mm or less or roof sarking.
- Repair any damage to the foil facing with Vapastop 883 tape.

Note: If your application/installation is outside these guidelines, please contact Fletcher Insulation prior to commencing the install to obtain written approval for your specific application.

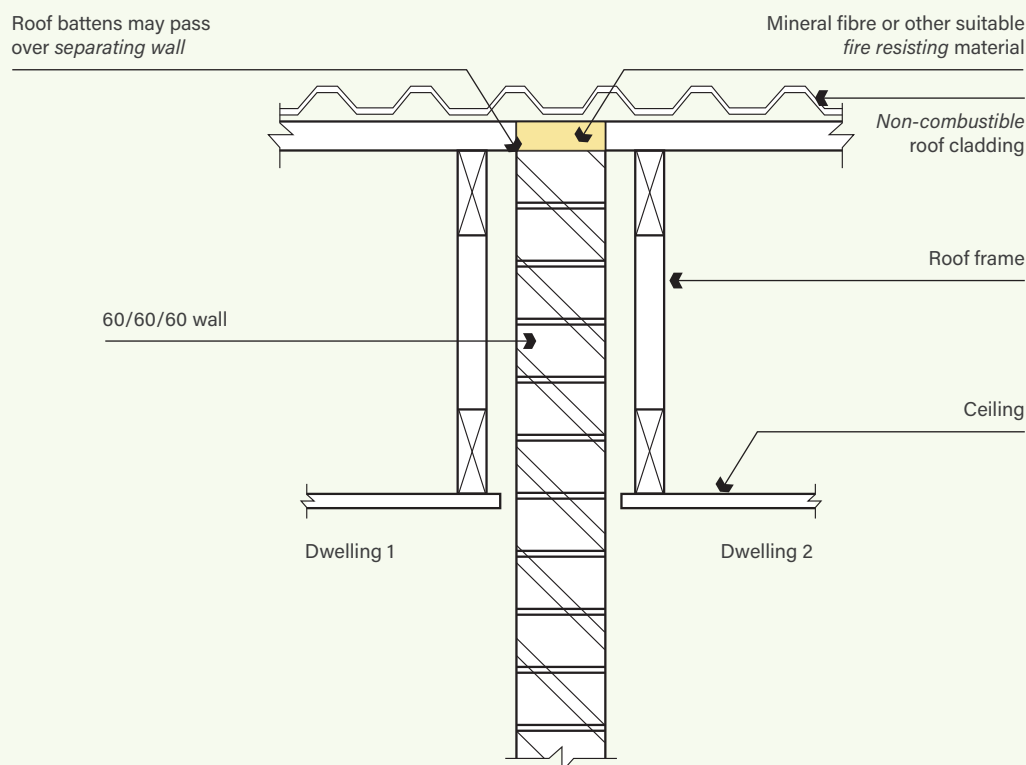


Figure 1: Interhome wall to roof lining

Fire Resistance Level (FRL) 60/60/60

Section view

Roof battens
can be
continuous over
interhome wall

10–25mm gap
between roof battens
and top of central
fire barrier. Use J-track
over central fire barrier.

Truss parallel to
interhome wall

16mm Fireshield, Multishield or Trurock laminated to central fire barrier in roof cavity. Laminate at 400x400mm max centres and 50mm from sheet edges

Siniat plasterboard

Central fire barrier must be adequately propped during construction to prevent collapse.

J-track over
25mm shaftliner
(optional)

Use 30mm screws when fixing aluminium clip through 16mm fireshield to H-stud

Central fire barrier continued through roof cavity

Extend 16mm
Fireshield,
Multishield
or Trurock
150mm below
ceiling

Fill with **Fletcher Protect[®] Party Wall
Stonewool Batts** to maintain FRL of
interhome wall to non-combustible roof lining

Roof sarking

Maximum 300mm
cantilever of
central fire barrier

Aluminium clips on both sides of H-studs

Fix aluminium clips at maximum 3m intervals for 3m shaftliner sheets, or maximum 3.6m intervals for 3.6m shaftliner sheets

700mm max
between
aluminium clips
and top of
H-studs

Aluminium clips
may be above or below
top/bottom plates

20mm minimum 20mm minimum

Figure 2: Interhome wall to box gutter with perpendicular roof trusses

Fire Resistance Level (FRL) 60/60/60

Section view

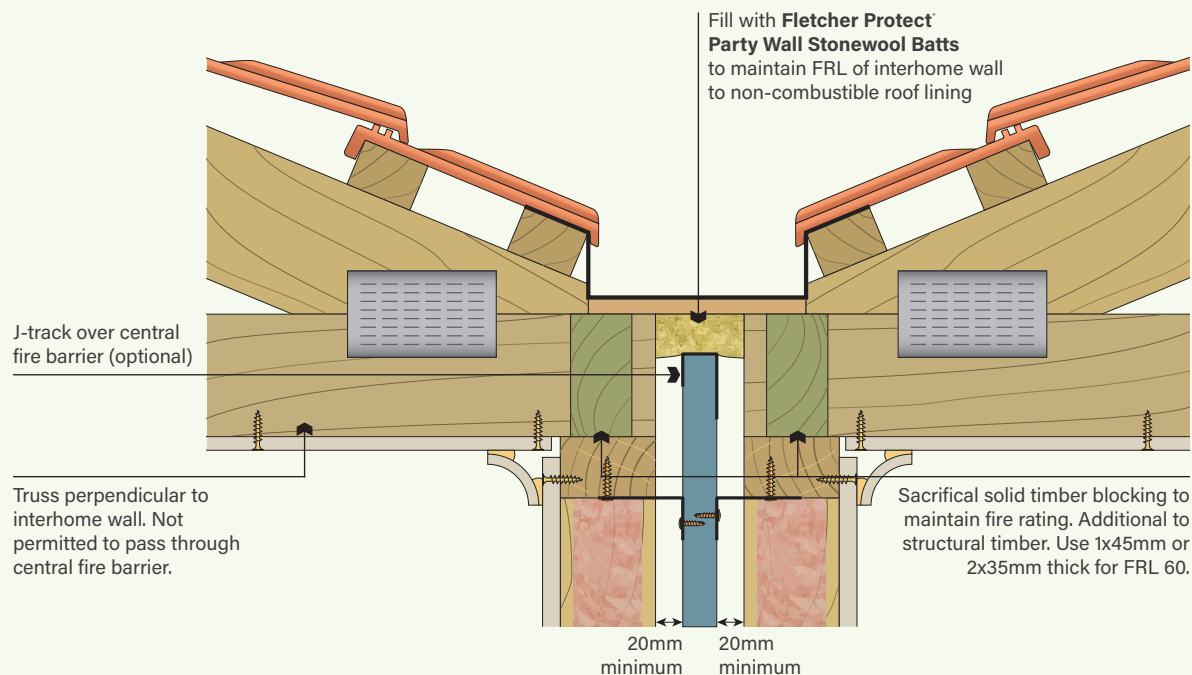


Figure 3: Interhome wall to parapet with perpendicular roof trusses

Fire Resistance Level (FRL) 60/60/60

Section view

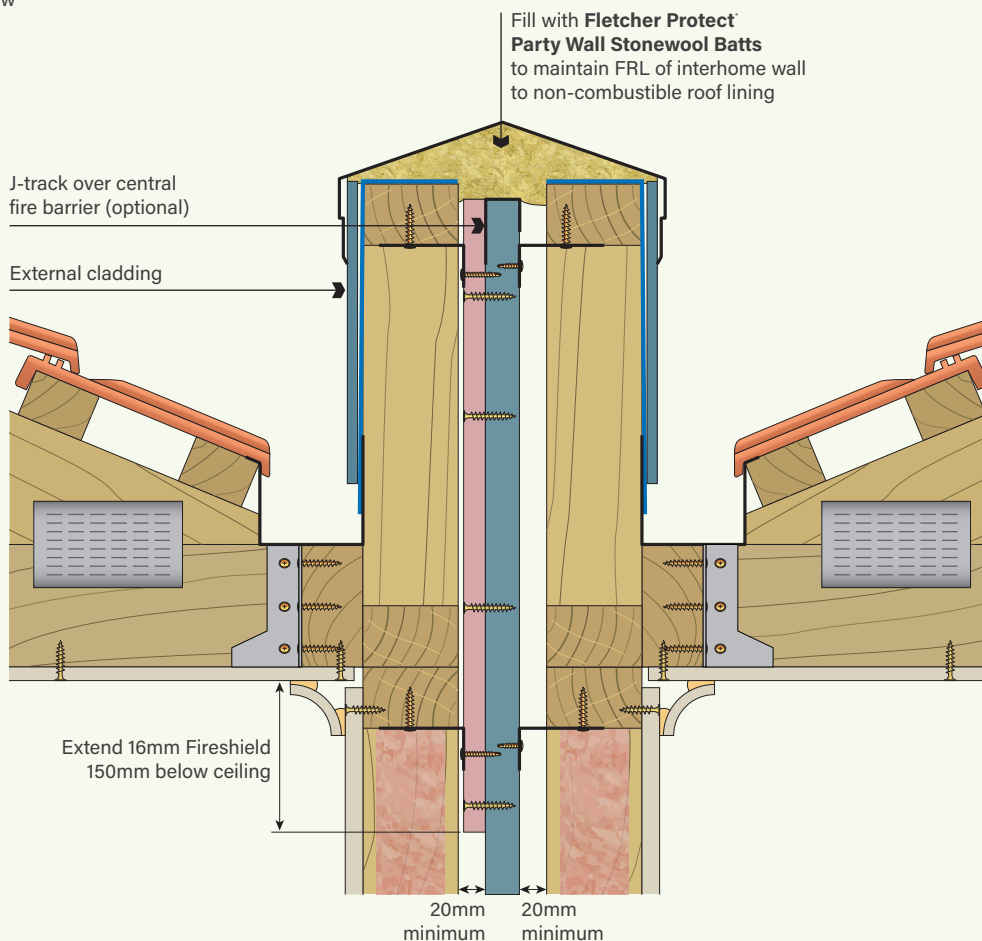


Figure 4: Interhome wall to external brick wall

Timber frame Fire Resistance Level (FRL) 60/60/60

Plan view

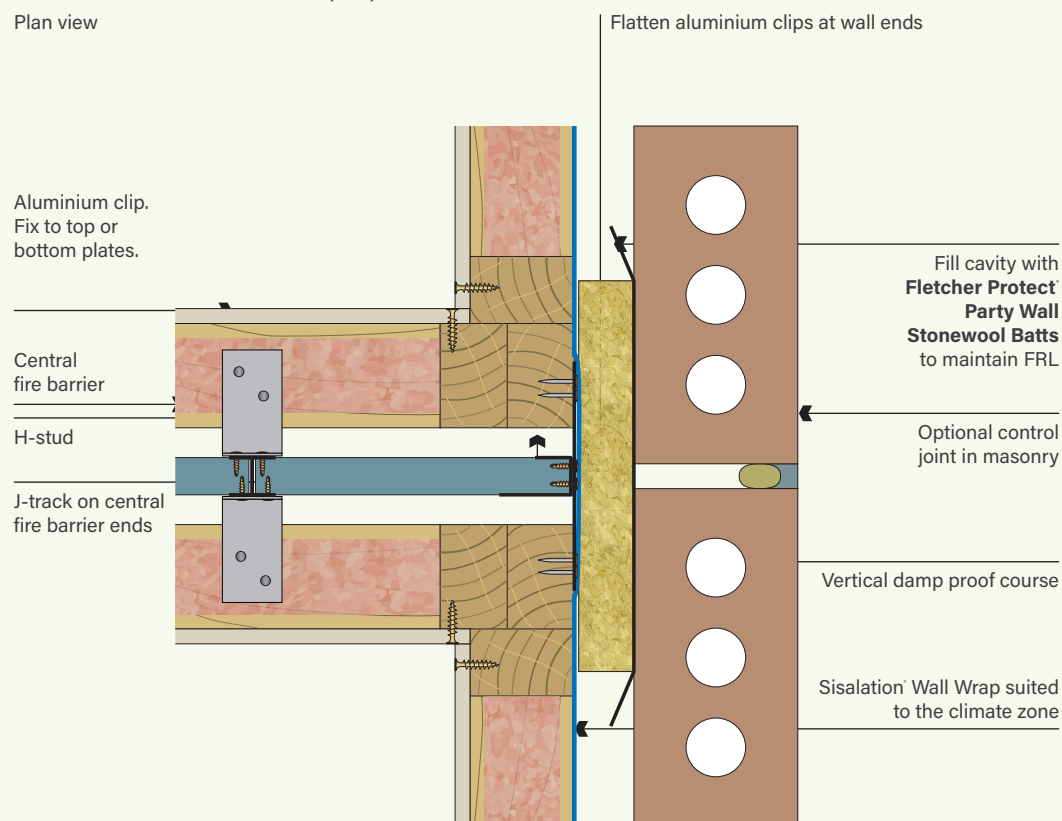


Figure 5: Interhome wall to external brick wall

Steel frame Fire Resistance Level (FRL) 60/60/60

Plan view

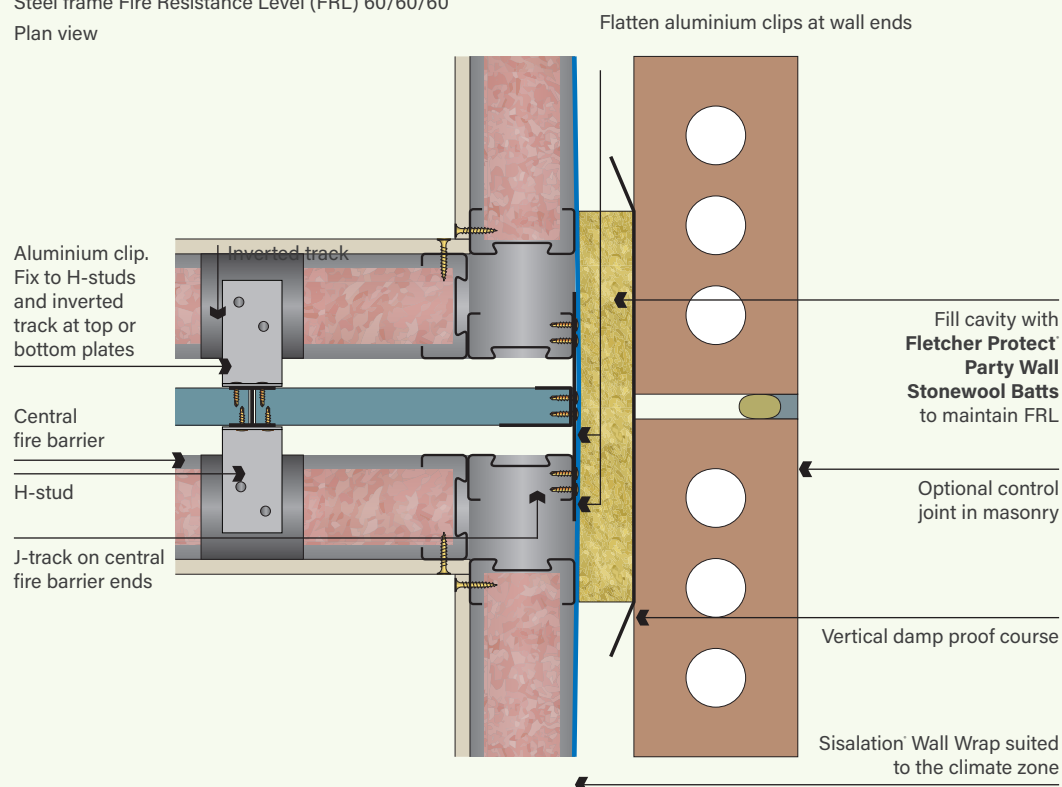


Figure 6: Interhome wall over eaves

Fire Resistance Level (FRL) 60/60/60

Section view

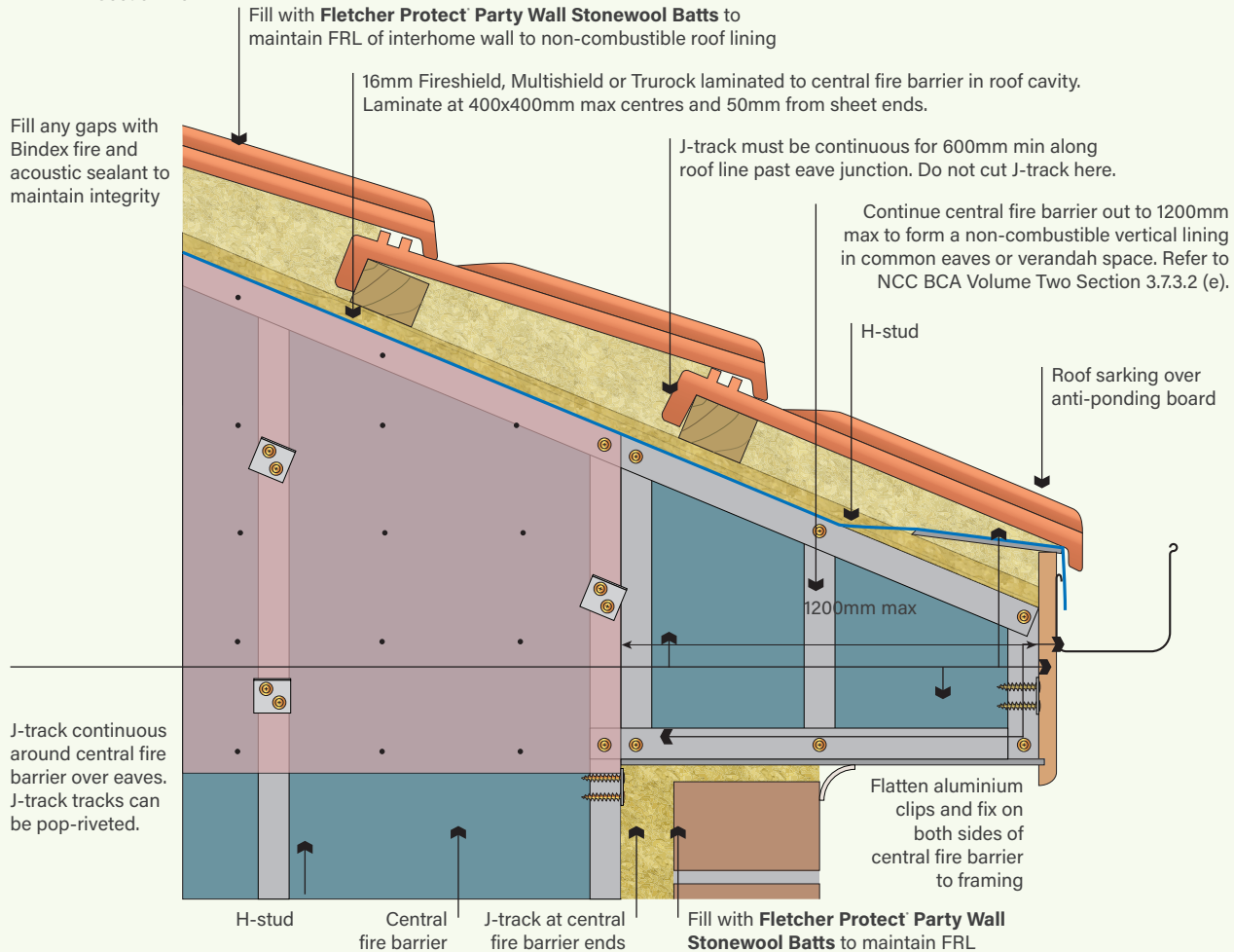
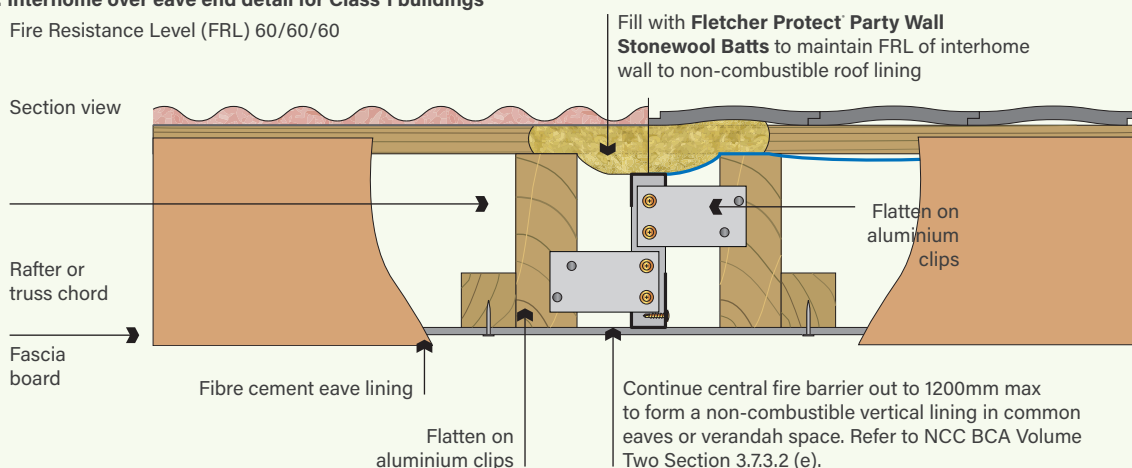


Figure 7: Interhome over eave end detail for Class 1 buildings

Fire Resistance Level (FRL) 60/60/60

Section view



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