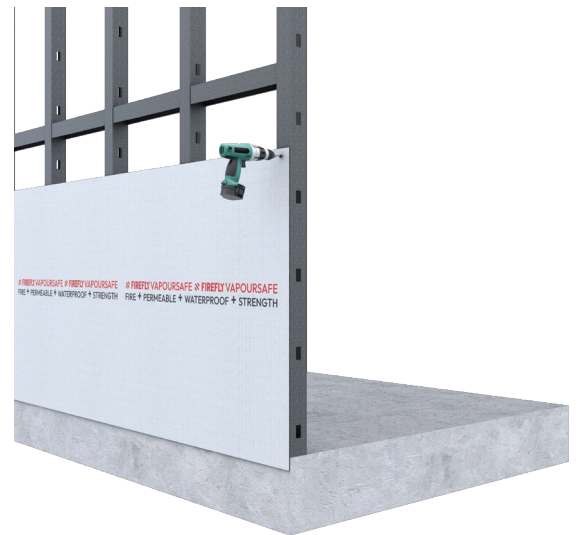


Installation Guide FIREFLY VapourSafe Non Combustible | Vapour Permeable Sarking

Step 1

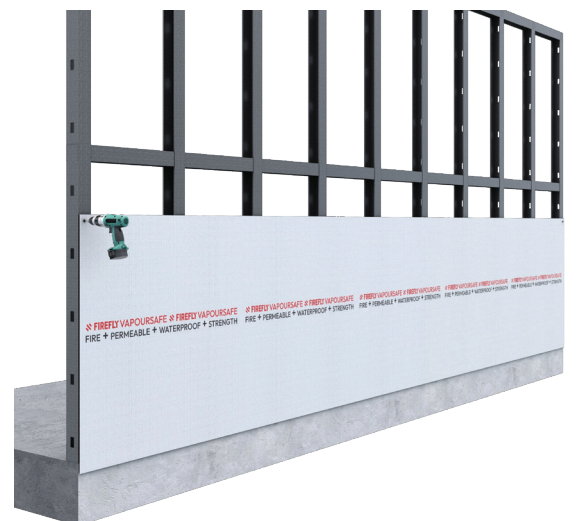
Fix the corner of the sarking to the steel framework using 15mm long pan head self-drilling screws. Then drag it horizontally taut and use intermediate fixings to keep it taut, if required.

For the bottom sarking barrier that is installed in contact with the building's floor/foundation, ensure a minimum 50 mm overlap with the foundation.



Step 2

Next, fix the opposite corner



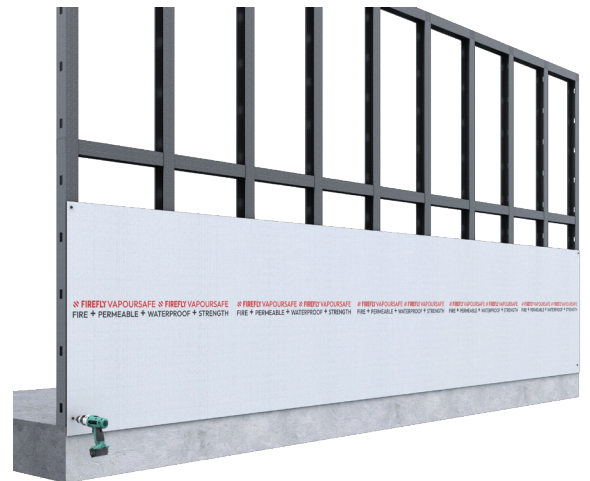
Step 3

Pull the sarking downward and taut, then fix into place.



Step 4

Drag and pull the corner downward and across, ensuring it is taut, removing all creases and fix into place. Use intermediate fixings to keep it taut, if required.



Step 5

Secure the sarking around the whole perimeter with a screw into each stud.



Step 6

Install the next piece of sarking whilst ensuring a minimum 150 mm overlap of the first piece. Then secure into place in the same manner.

Ensure a minimum 150 mm overlap at every joint location (both for horizontal and vertical joints).



Step 7

Cut the last piece to height and install in the same manner.

Note | Ensure that the sarking is installed taut throughout its length and around corners. For inward corners, where applying tension to the sarking can be challenging, consider using a straight object, such as a straight timber or metal piece, to ensure that pressure is uniformly applied to the sarking in that area.



Step 8 | Taping

Once installed, ensure that all joints are taped using FIREFLY Aluminium Foil Reinforced tape.

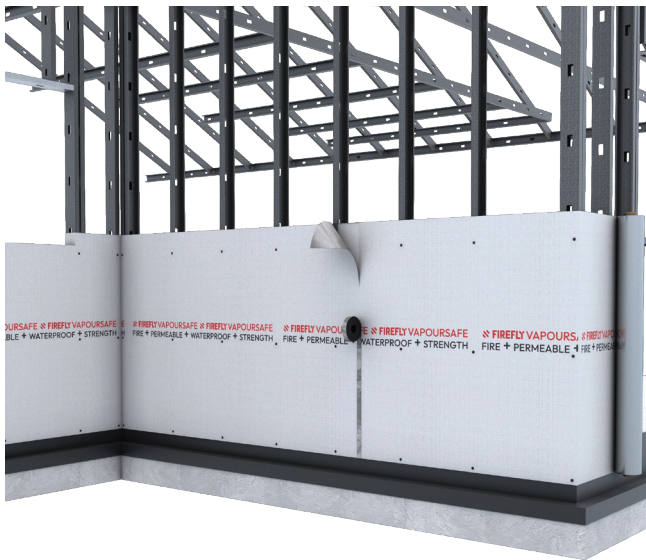
The surface areas where the tape is to be applied must be clean and free from dust, grease and debris. Pressure must be applied when installing the tape ensuring an appropriate adhesion to the FIREFLY VapourSafe.

Remember to ensure a minimum 150 mm overlap at every joint location (both horizontal and vertical joints).

When installed at window or door reveals, ensure that the sarking is cut and folded into the reveals, secured with pan head self-drilling screws, then sealed with FIREFLY Aluminium Foil Reinforced Tape.

Note: Under no circumstances should any type of tape be used as the fixing method for the sarking. The sarking must always be mechanically fixed as shown within this guide.

See overleaf for window and door openings.

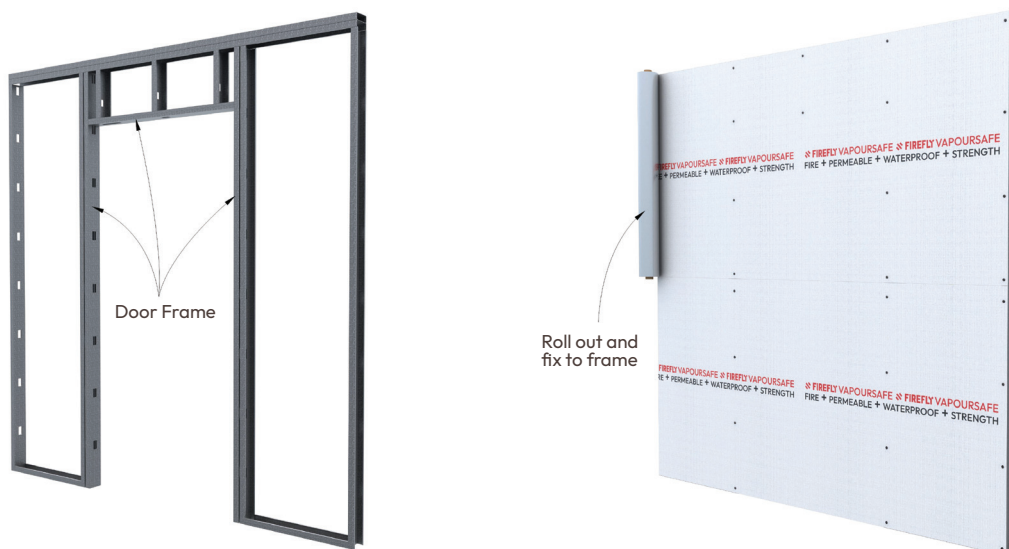


Installation, Door Openings

Note: This is an example only, showing the VapourSafe installation at door areas for reference.

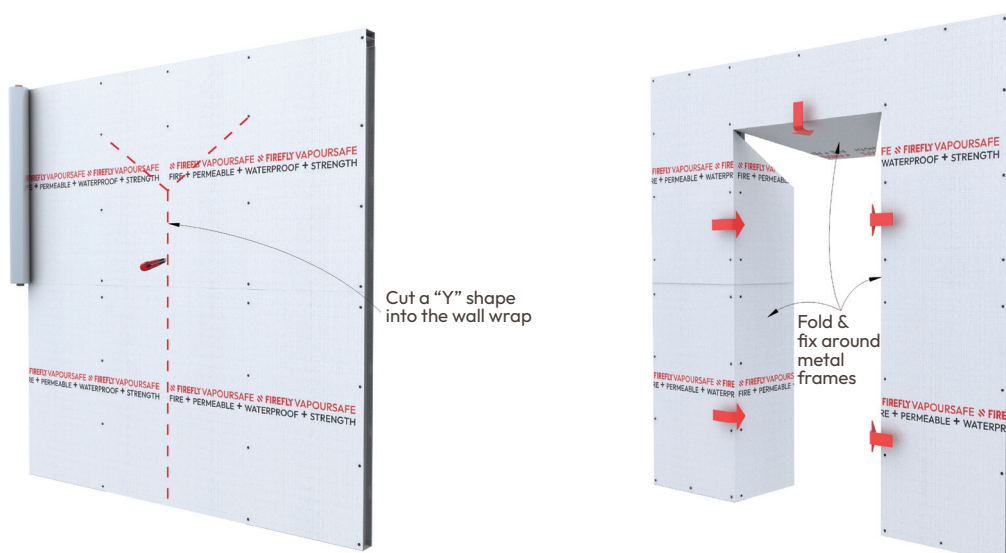
Step 1

Extend the FIREFLY VapourSafe across the door frame. Fix the membrane to both sides of the door frame with 32 mm long self-drilling screws.



Step 2

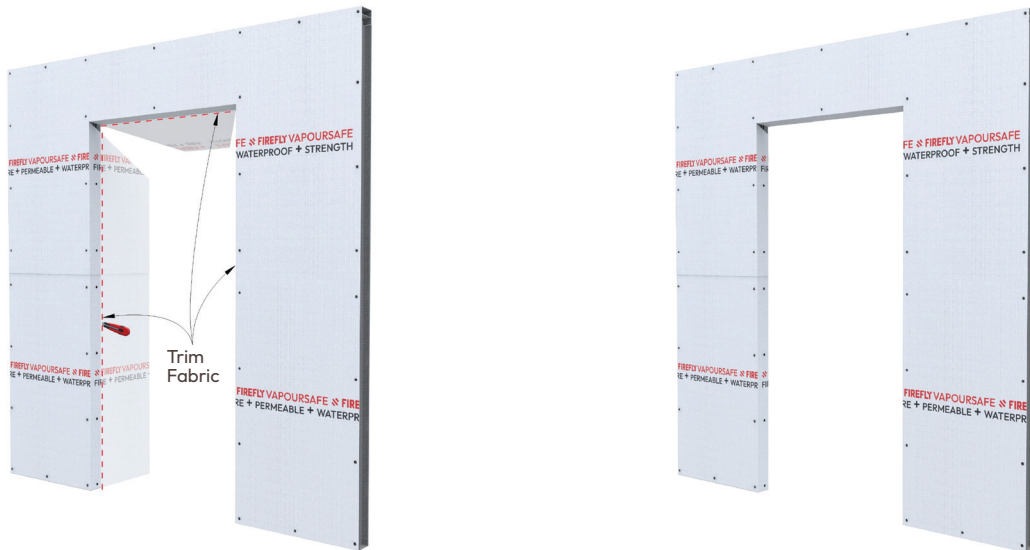
Cut the membrane downwards, in the middle, so each side can be folded around the door frame. Ensure that the cut on the upper part of the opening is done in a "Y" shape to allow for the membrane to be folded accordingly around the header.



Step 3

Fix the membrane again on the inside of the door frame, using 32 mm long self-drilling screws.

Cut off excess of FIREFLY VapourSafe membrane left.

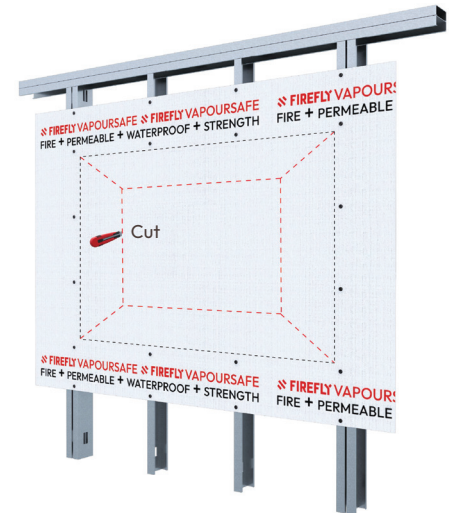


Window Openings, Pre Installation

Note: This is an example only, showing the VapourSafe installation at window areas for reference.

Step 1

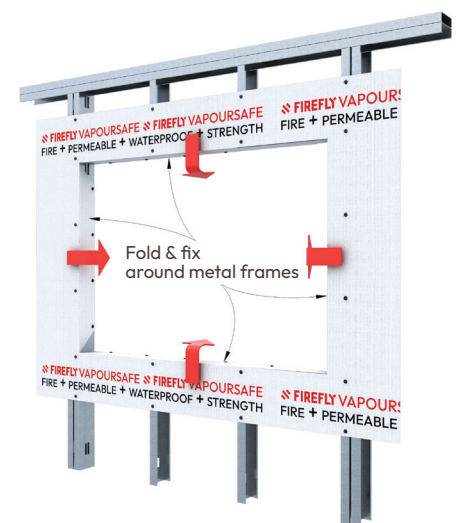
Cut the opening of the window area by cutting the FIREFLY VapourSafe membrane parallel to the window opening, offset by the depth of the window reveal (marked in red).



Step 2

Fold the membrane towards the inside of the opening and fix to the inside face (reveal) of the opening, in the building frame.

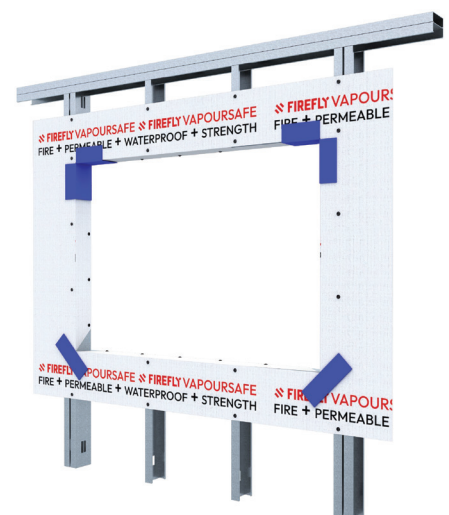
Trim and remove excess wall wrap as necessary.



Step 3

Tape the head and jamb corners as shown (in blue). Pre-cut the tape prior to application to allow it to fold around the front face of the frame.

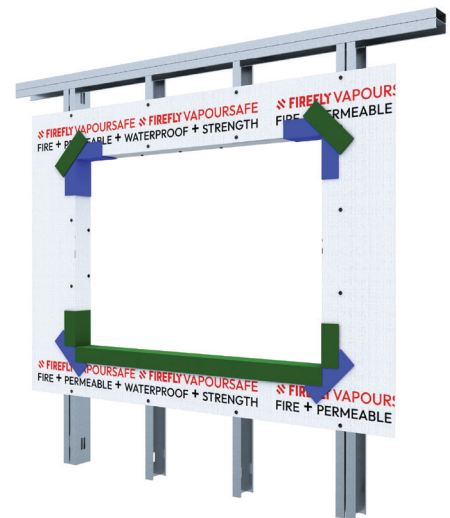
Tape across the front face of the sill corners as shown (in blue), ensuring that the edge of the tape meets the corner of the window opening in the frame.



Step 4

Apply diagonal tape across the head tape joints as shown (in green), ensuring that the previous tape and the corner of the window opening are completely covered.

Apply a continuous piece of tape along the sill and 150 mm up each jamb as shown (in green). Pre-cut the tape prior to application to allow it to fold around the front face of the frame.



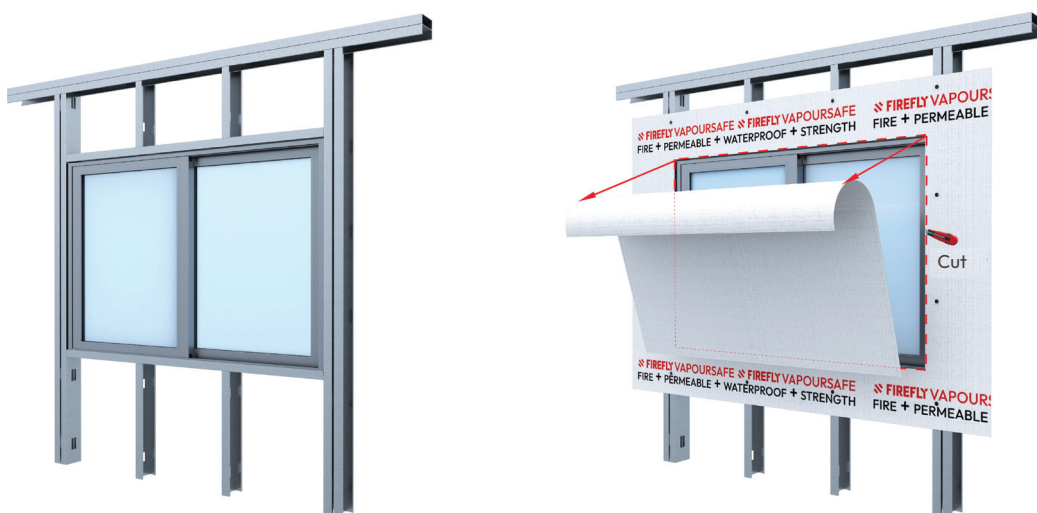
Window Openings, Post Installation

Note: This is an example only, showing the VapourSafe installation at window areas for reference.

Step 1 (with flashing)

Cut the wall wrap neatly around the window head, sill and jambs, being careful not to cut the flashing.

At the window head, cut the wall wrap at 45° from each corner of the window to allow the head flashing to be positioned behind the wall wrap.

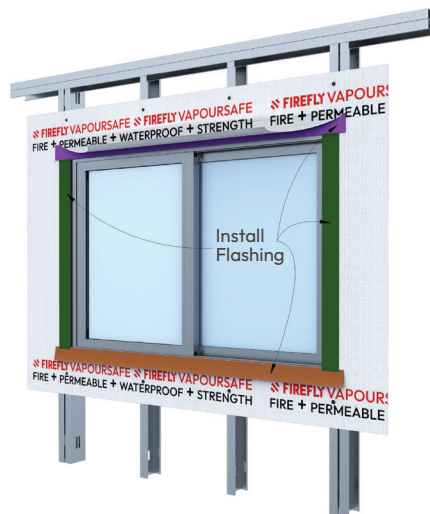


Step 2

Ensure that the window flashings are arranged in the following order:

1. Sill flashing: in front of /over the wall wrap (shown in brown)
2. Jamb flashings: in front of/over the sill flashing and the wall wrap (shown in green)
3. Head flashing: In front of/over the jamb flashings and behind the wall wrap flap above the window (shown in purple). Note that the flashing will protrude in front of the wall wrap flap at each side of the window as shown in the illustration.

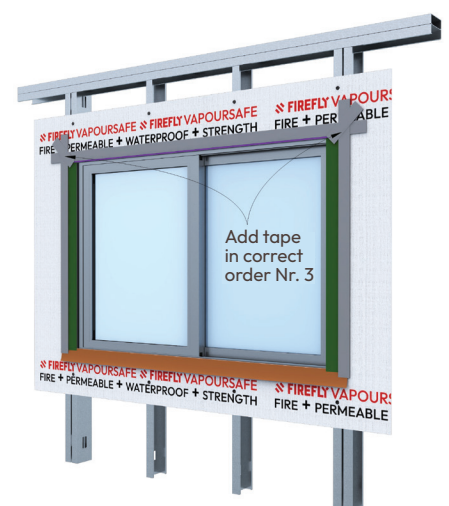
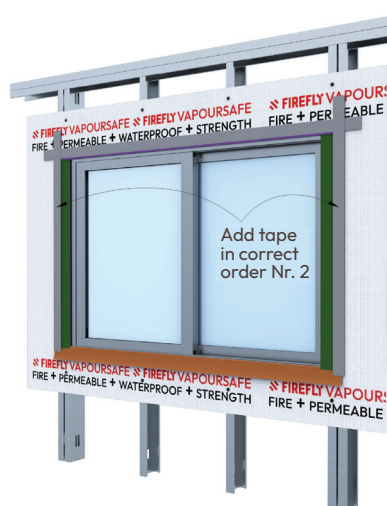
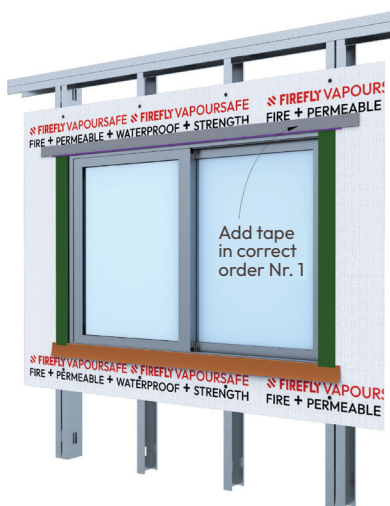
Overlap is vital to ensure that, at each transition, water is directed onto the element below.



Step 3

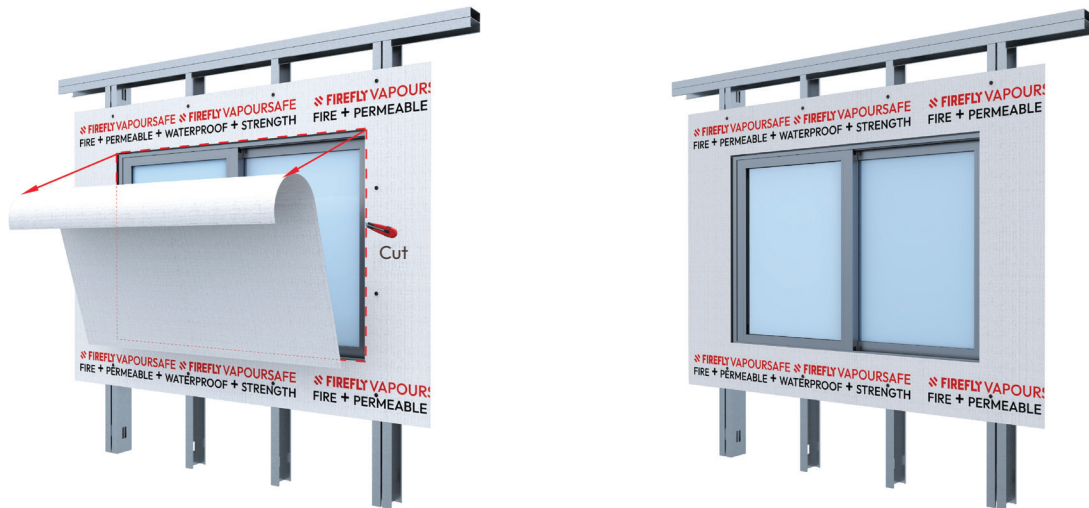
Tape the wall wrap to the window flashings in the following order:

1. Head flashing: extend tape 100 mm beyond the 45° diagonal cut for the head flashing
2. Jamb flashings (both sides): extend tape 100 mm beyond the 45° diagonal cut for the head flashing
3. Head 45° diagonal cut: extend tape so that it covers the jamb tape.



Step 1 (without flashing)

With the wall wrap positioned at the same level as the window frame, neatly and closely trim the wall wrap around the perimeter of the window frame - a neat fit will make taping easier later.

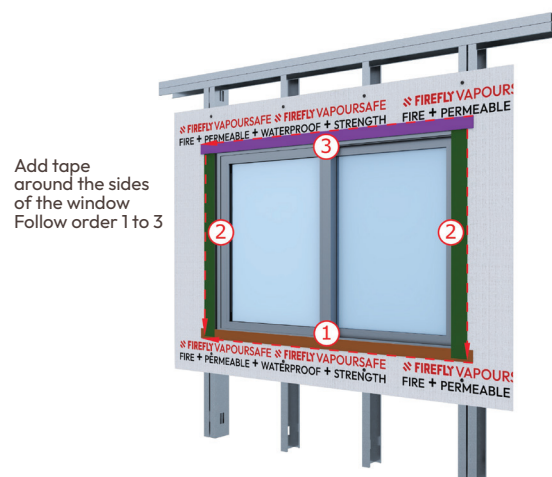


Step 2

Seal the wall wrap to the window frame, with 50/50 coverage/contact (where possible) on each surface by applying the tape in the following order:

1. Sill (shown in brown)
2. Jamb, on both sides (shown in green)
3. Head (shown in purple)

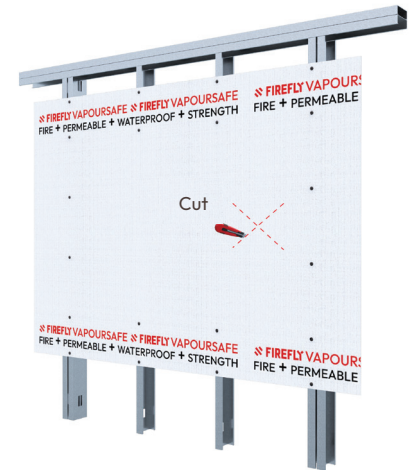
Note: Ensure that the sill and head tape extend beyond the jamb tape.



Penetrations Treatment

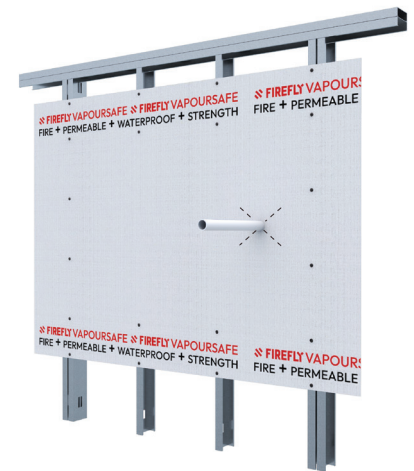
Step 1

Cut an opening in the sarking, in the form of an “X” to allow the service/penetrating element to pass through.



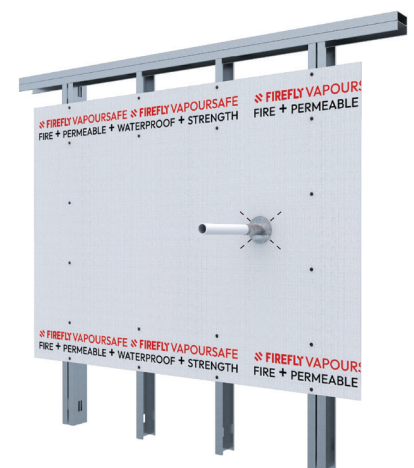
Step 2

Pass the service/penetrating element through the sarking.



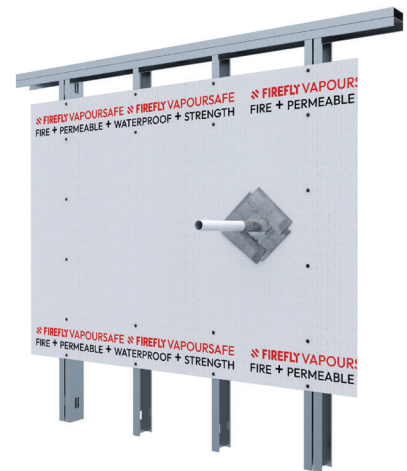
Step 3

Using FIREFLY Aluminium Foil Reinforced Tape, seal the sarking to the service/penetrating element with 50/50 coverage/contact (where possible) on each surface.



Step 4

Ensure that any remaining gaps are covered by applying strips of FIREFLY Aluminium Foil Reinforced Tape to those areas.



Note

As general guidance, this installation guide may not provide the necessary or compliant installation guidance required to meet the National Construction Code (NCC) or relevant Australian Standard. It is the builders responsibility to ensure compliance is achieved.

Wall wrap should always be installed in accordance with AS 4200.2:2017 Pliable Building Membranes and Underlays - Installation.