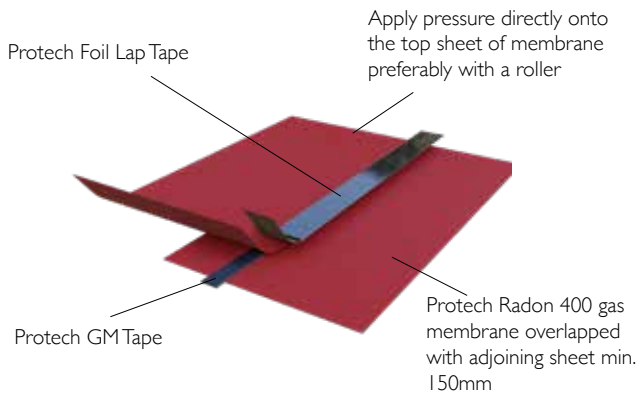


# Protech Radon 400

## GAS PROTECTION

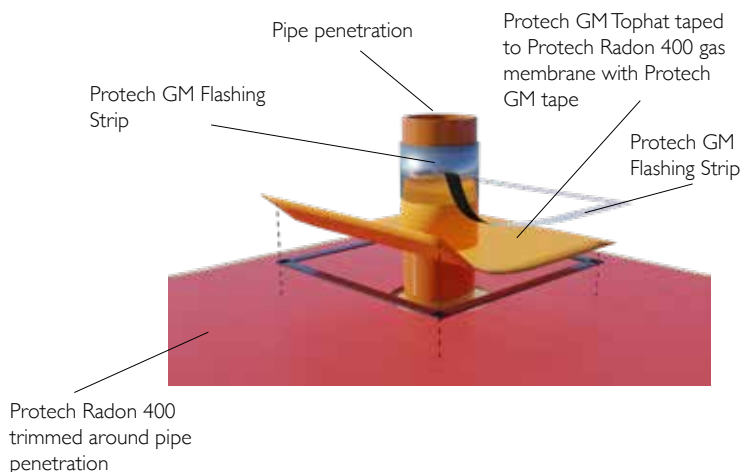
### TAPE JOINT DETAIL



### METHOD

1. Lay roll of Protech Radon 400 Gas Membrane on prepared sub base or Provoid Venting Mat ensuring that all creases are removed and sheet is laid flat.
2. Roll Protech GM double sided tape 50mm in from edge of Protech Radon 400 Gas Membrane.
3. Roll out next sheet of Protech Radon 400 Gas Membrane ensuring a minimum 150mm overlap with adjoining sheet.
4. Remove the release paper from the Protech GM Tape and apply pressure to the top sheet of Protech Radon 400 Gas Membrane (This can be done with a hand roller).
5. Ensure that the two sheets of Protech Radon 400 Gas Membrane are securely sealed.
6. Apply Protech Foil Lap Tape over membrane laps to prevent trip hazard/accidental uplift due to foot traffic.

### TOPHAT DETAIL

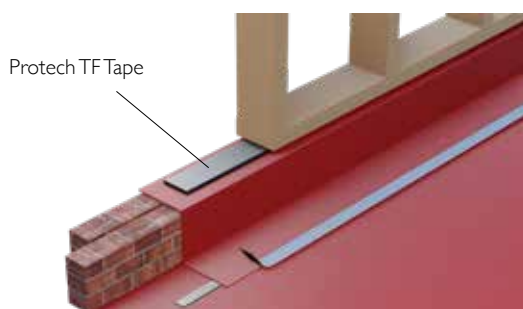


### METHOD

1. Trim Protech Radon 400 Gas Membrane around pipe penetration.
2. Fix Protech GM Tape to underside of tophat flange 20mm from edge, ensuring that there are no gaps between the strips of tape at each corner.
3. Remove the release paper from the Protech GM Tape and slide the Protech GM Tophat over the pipe and push down onto Protech Radon 400 Gas Membrane.
4. Ensure that the Protech GM Tophat is adhered to the Protech Radon 400 Gas Membrane.
5. Cut a strip of Protech GM Flashing Strip and seal around the collar of the Tophat against the pipe and the base of the Tophat.

**Protech GM Tophats are available in all popular pipe sizes including our standard 110mm, 130mm and 160mm and also bespoke sizes when required.**

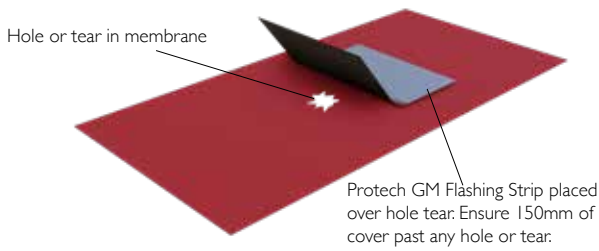
### TIMBER FRAME DETAIL



### METHOD

1. Apply Protech TF Tape centrally on the gas membrane / DPC where the sole plate will be located.
2. Apply pressure to ensure a good seal using a roller or similar.
3. Any mechanical fixings that penetrate the TF tape and Membrane/DPC will be sealed.

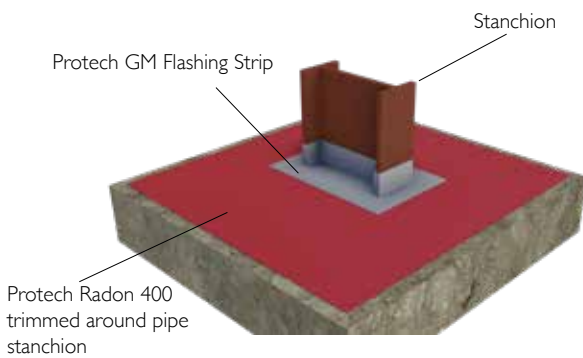
### PATCH DETAIL



### METHOD

1. Clean membrane with a damp cloth and wipe dry.
2. Cut a strip of Protech GM Flashing Strip, minimum of 300mm x 300mm, remove release paper and place over the hole or tear.
3. On larger holes, use several pieces of 300mm x 300mm Protech Flashing Strip, ensuring that strips are overlapped a minimum of 25mm with adjoining strip.

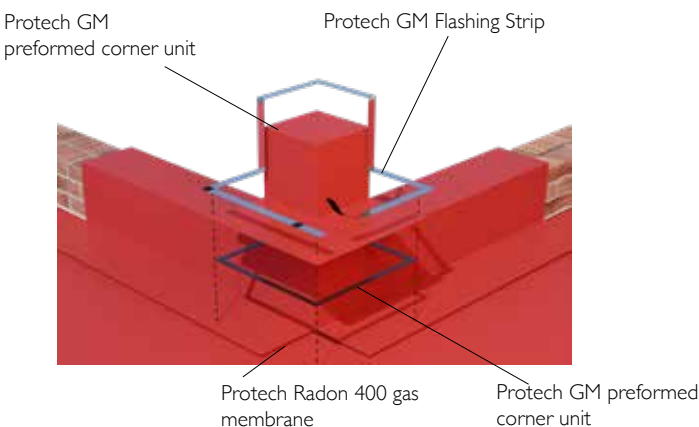
### STANCHION DETAIL



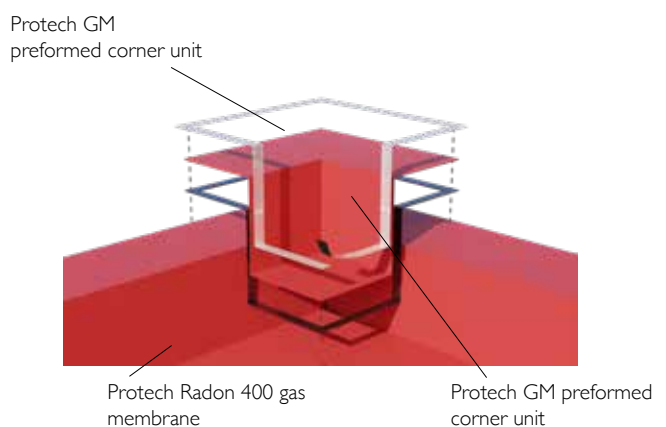
### METHOD

1. Trim Protech Radon 400 Gas Membrane around stanchion.
2. Apply two coats of Protech Bitumen Primer to area of stanchion to be covered by Protech GM Flashing Strip.
3. Cut 300mm lengths of Flashing Strips and fold in half and apply to Protech Radon 400 Gas Membrane and stanchion.
4. Repeat the process around the entire stanchion until a gas tight seal is achieved.

### EXTERNAL CORNER DETAIL



### INTERNAL CORNER DETAIL



### METHOD

1. Fix Protech GMTape to underside of Protech GM Corner 20mm from edge, ensuring that there are no gaps between the strips of tape at each corner.
2. Remove the release paper from the Protech GMTape and slide the Protech GM Corner over the edge and push down onto Protech Radon 400 Gas Membrane.
3. Ensure that the Protech GM Corner is adhered to the Protech Radon 400 Gas Membrane.
4. Cut a strip of Protech GM Flashing Strip and stick to the edges of Protech GM Corner ensuring an overlap onto Protech Radon 400 and Protech GM Corner.
5. Please note that an architectural cavity tray, in most instances, will need to be placed above the corner detail.

BS 8215, Design and Installation of DPCs, recommends that '3-dimensional shapes in DPC should be pre-fabricated' avoiding site fabrication.

The A. Proctor Group Ltd recommends the use of preformed corner units to achieve a gas tight seal.

Preformed corner units are a technically better solution for gas proofing and are also cost effective, due to the added time it takes to create similar details in situ.



Download a full Gas Protection brochure from our website...

[www.proctorgroup.com](http://www.proctorgroup.com)



contact@proctorgroup.com | +44 (0) 1250 872261

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