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INSTALLATION GUIDE

pbs
VentClad
STONE
&
BRICK SLIPS



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General remarks

- This installation guide is to be used in conjunction with
 - PBS **Ventclad** Stone Slip System QA Sheet
 - PBS **Ventclad** Stone Slip System specifications
 - PBS **Ventclad** Stone Slip System Order List
 - Architects' specific details
 - PBS Corporate Folder
 - PBS **Eterpan Base** as Rigid Air Barrier Installation Guide and details
 - PBS Eterpan Bracing Manual

- The methods selected for this guide are based on experience from sites & have proven to give the best results.

- Further details are available in the PBS folder or from the website

Step 1: Air Barrier Options

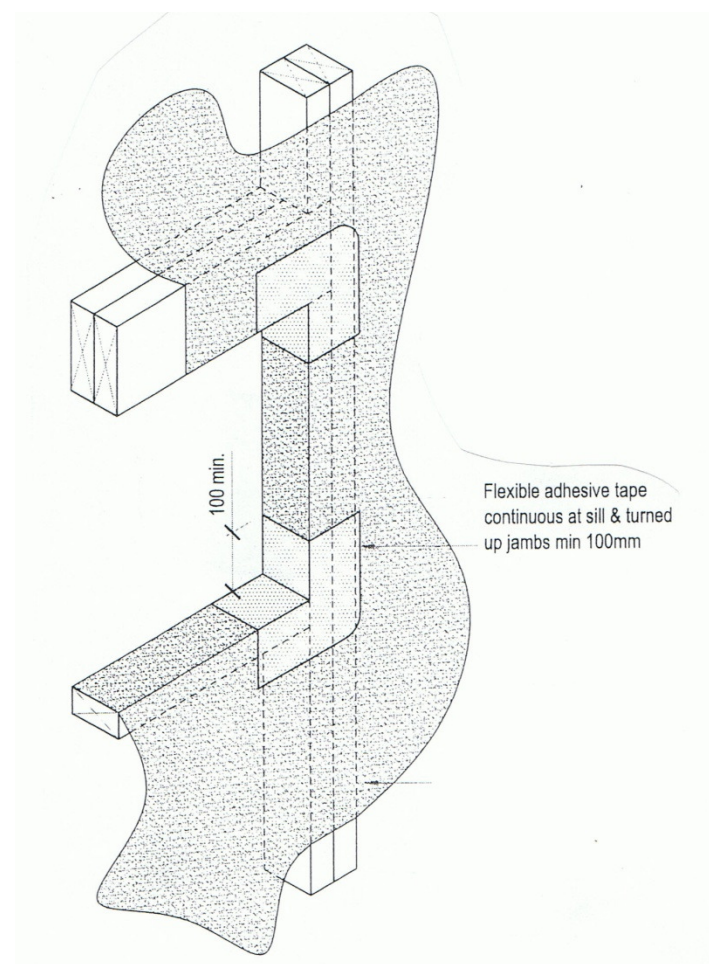
- Building wrap may be used as a non rigid air barrier where the ULS is less than ± 1550 Pa.
- Where wind pressures exceed ± 1550 Pa and are less than ± 6000 Pa use a rigid air seal of **Eterpan Base**.
- For more information on Rigid Air Barriers please see the **Eterpan Base as Rigid Air Barrier** installation manual

NOTE: there is no need for a building wrap with a rigid air barrier although this can be done if required. For more information contact PBS

Step 1: Air Barrier Options - Building Wrap

Go to the next page when the specifications require a Rigid Air Barrier instead of Building Wrap

- ❑ Fix **PBS Tekton** building wrap with staples
- ❑ Fix blue band (polyprop tape) vertically between studs at 300mm centres (refer XC.3.1.02) to prevent bridging of the cavity by the wall insulation.
- ❑ Tape all laps with **Tekton Seam** tape.
- ❑ Repair all cuts & tears in building wrap with seam tape.
- ❑ Fold in around windows (4 sides)
- ❑ Apply spray adhesive to areas requiring Protecto Tape
- ❑ Tape the 4 corners **and** sill of each opening with **Protecto Sill & Detail** tape.

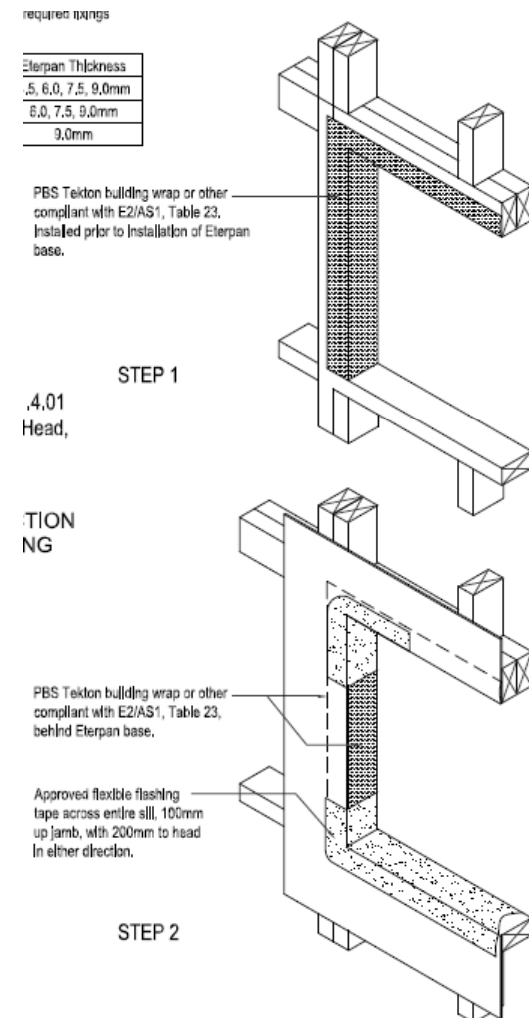


Step 1: Air Barrier Options - Rigid air barrier

Ignore this step when the specifications call for Building Wrap instead of a Rigid Air Barrier

There are 2 options for the detail at window and door openings: **Option 1**

- Wrap window and door jambs and head with building wrap before fitting **Eterpan Base** as Rigid Air Barrier.
- Fix Eterpan Base as Rigid Air Barrier with 40mm stainless steel clouts at 150 centres to all nogs & studs
- Edge distance minimum 15.0mm
- Corner distances minimum 100mm & 50mm
- Prime contact area of Eterpan Base as Rigid Air Barrier before fitting tape
- Tape the 4 corners and sill of each opening with Protecto Detail & Sill tapes.

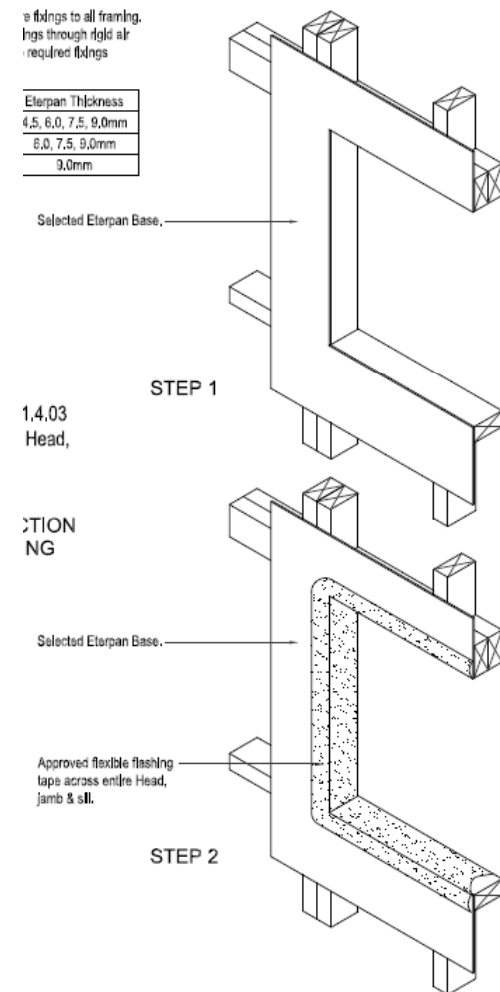


Step 1: Air Barrier Options - Rigid air barrier

Ignore this step when the specifications call for Building Wrap instead of a Rigid Air Barrier

There are 2 options for the detail at window and door openings: **Option 2**

- Fix **Eterpan Base** as Rigid Air Barrier with 40mm stainless steel clouts at 150 centres to all nogs & studs
- Edge distance minimum 15.0mm
- Corner distances minimum 100mm & 50mm
- Prime contact area of Eterpan Base as Rigid Air Barrier before fitting tape
- Tape the perimeter with Protecto Sill tape and the 4 corners and sill of each opening with Protecto Detail & Sill tapes.



Step 2: Install Horizontal Battens

- Fit 50 x 20mm **VentClad** top batten 10.0mm below horizontal protrusion.
- VentClad** Horizontal 50 x 20mm batten below window is set down 10.0mm
- VentClad** Bottom horizontal 50 x 20mm battens to be set flush with bottom plate.
- Fit **VentClad** horizontal 50 x 20mm batten to bottom of full Height windows/doors with batten flush with top of floor.
- Tack battens in place with 40.0mm clouts.

Step 3: Fit off flashings

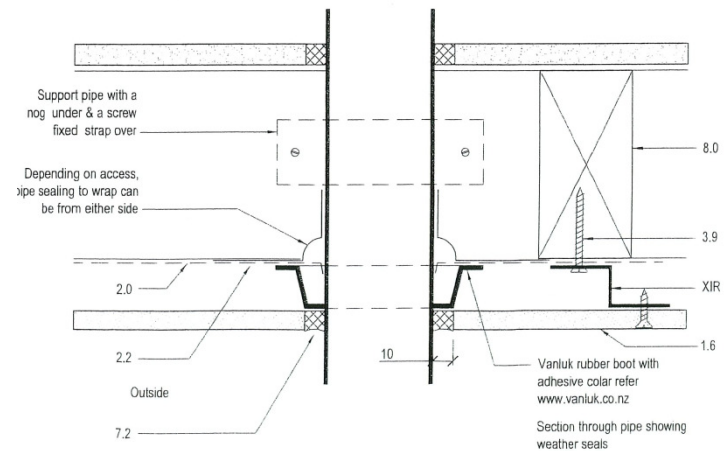
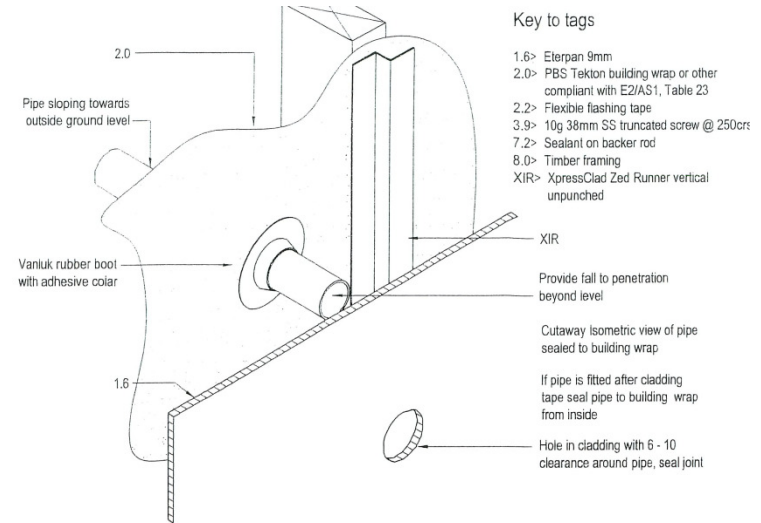
- Fit **VentClad PVC vermin flashing** to bottom batten, locates on moulded ridge.
- Fit **HF1/HF2** PVC head flashing or aluminum head flashing over windows/doors. Extend past opening 50.0mm & stop end aluminum flashing if using in lieu of **HF2**.
- Note: **XpressClad XHR** can be used for window head batten detail in lieu of **VentClad** batten. Refer **VP.2.4.05** for option and **VP.2.1.06** for stop ending.
- Fit second layer of building wrap into **HF1** up stand or alternatively seal/tape aluminum head flashing up stand to building wrap/ rigid air seal.

Step 4: Fit off remainder off batten

- Horizontal above window fits into **HF1 PVC closer**.
- Verticals at all sheet joints. (50mm batten)
- Verticals at all intermediate studs @ max 600 crs.
- Vertical battens at internal & external corners with 10.0mm gaps. Refer **VS.6.2.02**
- Fit horizontal battens at all horizontal joints and noggs.
- Horizontal at inter storey detail refer to specific detail options **VS.6.3.06, VS.6.3.07, VS.6.3.08**
- Tack battens in place with 40.0mm clouts.

Step 5: Penetrations

- Seal all pipe and duct penetrations as per specific detail depicted.
- When required fit meter box flashing kit. Refer specific detail **VP.2.8.01**



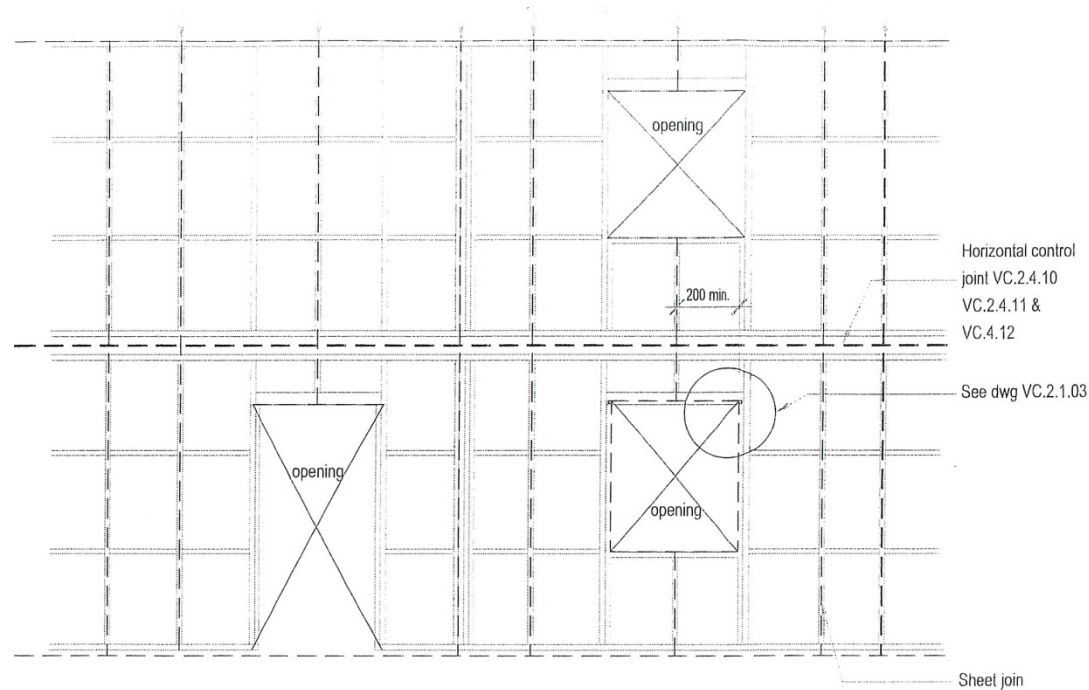
Step 6: check !

Before fixing **Eterpan Base**, ensure the following;

- check for tears in wrap and repair
- check sill tapes on window recess
- check for tapes on **XHR** or head flashing for window head and to mid floor joints
- check for dwang or nog behind joints in **XHR** (optional detail)
- check for expansion joints, soakers and foam tapes on **XHR** (optional details)
- check that all head flashings have been stop ended and sealed.
- check for continuous PVC vermin strip.
- check that control joints have been provided as per **VS.6.2.01 & VS.6.3.06 - 08**
- check all penetrations have been sealed.

Now cut and fit your sheets.

Step 7: Typical wall panel plan



Typical wall panel elevation
(Framing Layout)

DOOR SIZES

Box size is opening size less 20mm in width & 15mm in height

WINDOW SIZES

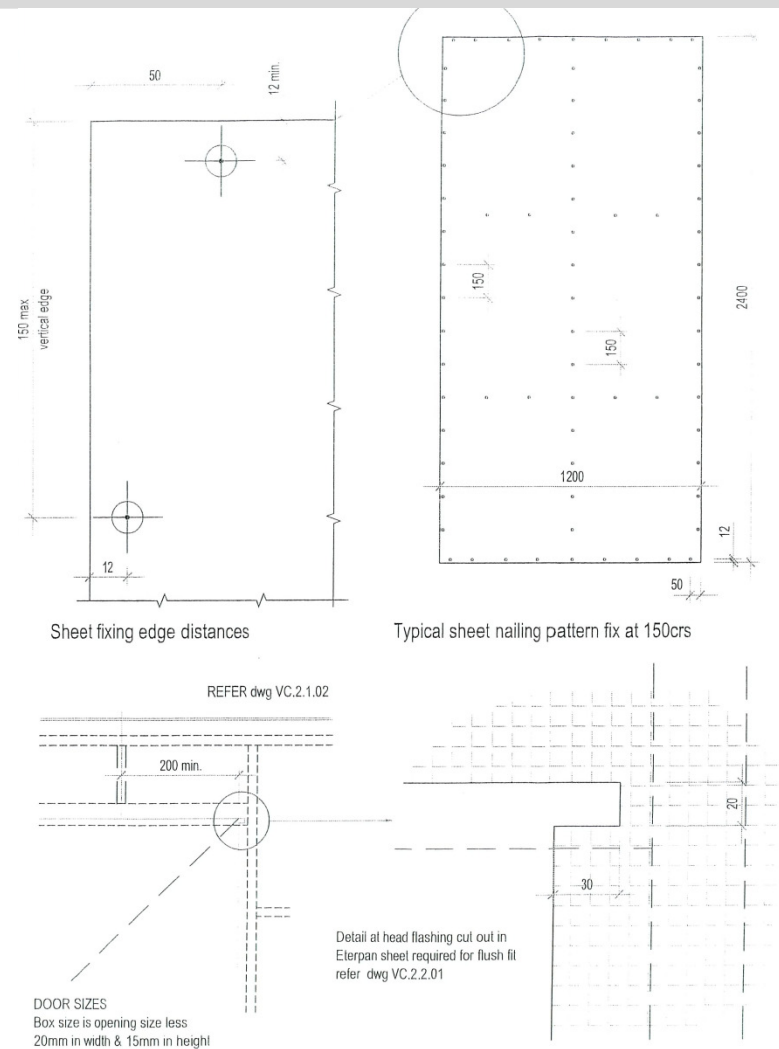
Window box size is opening size less 20mm

Eterpan sheet joins to occur minimum of 200 into window & door opening not at the edges.

See dwg VC2.1.03 for cut out at head flashing

Step 8: Eterpan Base sheet set out

- ❑ Prepare Eterpan sheets as illustrated and as per **VS.6.1.03** in the Architect **VentClad** Details for Stone Slips.



Step 9: Fix off Eterpan Base Sheets

- Fix **Eterpan Base** sheets to over sail bottom plate by 50mm
- Ensure ground clearances are maintained. Bottom of sheets to finish 35mm clear of finished deck surface or 100mm clear of paved surfaces or 175mm clear of unpaved surfaces.
- Fix with 10G x 60mm S/S screws @ 150mm max. crs to perimeter and intermediate studs and nogs.
- Provide for vertical control joints @ 5.4m crs max Refer **VS.6.1.01**
- Finish with selected waterproofing adhesive and stone slip system.
- Complete **VentClad Stone Slip System** Q A sheet to confirm compliance