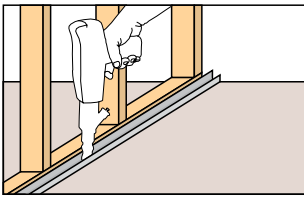


# Partiwall®

## INSTALLATION NOTES

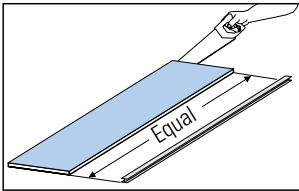
PB202 NOVEMBER 2010

To be used in conjunction with information on [www.boral.com.au/partiwall](http://www.boral.com.au/partiwall)

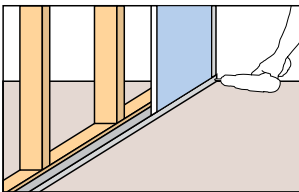


### Step 1: Fixing bottom track

- Position track at the base level centred in the Partiwall® cavity and attach to foundation with power actuated fasteners at both ends and at 600mm maximum spacing.
- Use full lengths spaced 6mm apart and 20-40mm from the frame.
- Start and end nominal 40mm from inside of external brickwork or level with inside face of cladding material.
- Apply acoustic sealant along track/floor junction on one side. Refer to step 7.

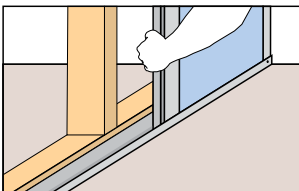


### Step 2: Cut Shaftliner™ panels and Partiwall® stud to the same length



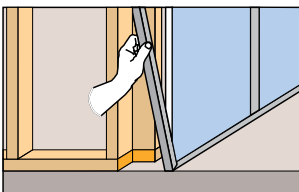
### Step 3: First Shaftliner™ panel fitted into base track

- To enable later fixing of aluminium clips, cut this Shaftliner™ panel to width so that its edge falls at least 50mm from a wall frame stud.
- House the outside edge at the end of the wall with the track.
- Screw this end track to the base track where they meet.



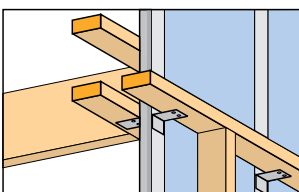
### Step 4: First Partiwall® stud fits fully down into track

- Move it along the track to house the edge of the Shaftliner™.
- Lightly tap up to give a snug fit.
- Fit the second Shaftliner™ panel.
- Fix H-stud to timber frame with Partiwall® aluminium clip.



### Step 5: Continue fitting Partiwall® studs and Shaftliner™ panels

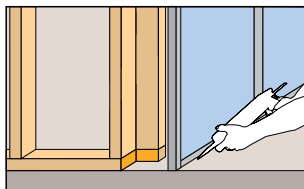
- House last Shaftliner™ panel with track at the end of the wall.
- Exposed Shaftliner™ barrier, may be subjected to high wind forces and so must be adequately braced while exposed to the wind.
- Continue to erect Partiwall® studs and Shaftliner™ panels progressively until the fire barrier is completed.



### Step 6: Aluminium Partiwall® clips fasten all Partiwall® studs to wall frame

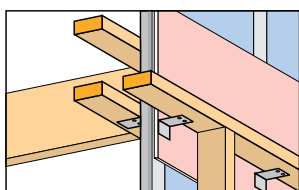
- Must be at every Partiwall® stud.
- Maximum 3000mm apart vertically.
- For aligned floors, must be directly opposite on both sides of the Partiwall® studs. Alternatively, Partiwall® clips can be staggered in line with offset floors.
- Where Shaftliner™ panels butt to external wall, cap the vertical edge of panels with Partiwall® track screw fixed to base track with 10g x 16mm drill point wafer head screws.

## Installation of Shaftliner™ Fire Barrier



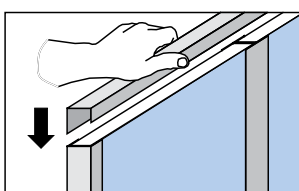
### Step 7: Seal for acoustics and fire

- Provide continuous Partiwall® batts at wall ends and roof as specified.
- Seal bottom track with a recommended fire rated acoustic sealant.



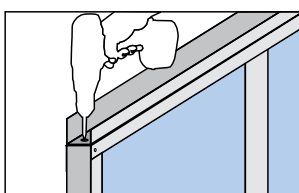
### Step 8: At mid-floor

- Cut and screw laminate 16mm Firestop® plasterboard to one side ensuring minimum 150mm overlap above floor and below ceiling level.
- It is recommended the gap from Partiwall® panel to wall stud framing be increased to a minimum of 25mm on this side to ensure adequate clearance for the Firestop® plasterboard.
- Screw laminate one layer of 16mm Boral Firestop® plasterboard to one side of Shaftliner™ fire barrier as required. Fasten at maximum 400mm x 400mm centres with 10g x 40mm Type 'L' laminating screws minimum 10mm from edge of the board.
- Fix clips to Partiwall® studs with 2 x 10g x 16mm 'D' type screws.
- Fix clips to timber plates with 2 x 2mm dia x 25mm nails or 2 x 6g x 25mm 'W' type screws.
- Fix clips through 16mm Firestop® to Partiwall® studs with 2 x 10g x 30mm 'D' type screws.
- As framing progresses, clip Partiwall® studs to wall plates on the other side.



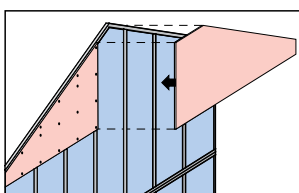
### Step 9: Cap top of Shaftliner™ panels and Partiwall® studs with track

- Use full lengths, end to end, spaced 6mm apart.
- Houses top of Partiwall® studs, end tracks and Shaftliner™ panels.
- Screw this capping track to the end tracks where they meet.



### Step 10: Upper sections

- Back capping track with base track.
- Fasten with minimum 10g x 16mm screws at 600mm centres.
- Cut Shaftliner™ panels and Partiwall® studs, cut to a length not exceeding 600mm above clip support points.
- Install as previously Partiwall® studs to align vertically with bottom section.



### Step 11: At roof

- Measure and cut Shaftliner™ panels and Partiwall® studs to pitch of roof.
- Cap on rake and clip Partiwall® studs to roof frame on one side.
- Cut and screw laminate 16mm Firestop® plasterboard to one side of Shaftliner™ fire barrier in the roof space with 10g x 40mm Type 'L' laminating screws at 400mm x 400mm centres, minimum 10mm from edge of Firestop®.
- Fix Partiwall® clips to Partiwall® studs through 16mm Firestop® plasterboard with 10g x 30mm Type 'D' drill point screws and to framing.
- Provide nominal 25mm gap between top end of Shaftliner™ fire barrier and roofing.

## Do's and Don'ts

- **Do** use aluminium clips at every Partiwall® stud and not more than 3000mm above lower clip line or base track.
- **Do** locate and fix down bottom track adequately.
- **Do** seal at bottom track.
- **Do** install Partiwall® batts at wall ends and top, as specified.
- **Do** cut Partiwall® stud and Shaftliner™ panels to the same length.
- **Do** insert Partiwall® stud and Shaftliner™ fully into the base track.
- **Do** insert Shaftliner™ panels fully into the Partiwall® studs.
- **Do** use the specified fasteners for aluminium Partiwall® clips.
- **Don't** use damaged materials.
- **Don't** penetrate the Shaftliner™ other than in the roof space as per Boral's details.
- **Don't** exceed specified clip spacing.
- **Don't** use steel clips.
- **Don't** cut tracks between Partiwall® studs. Tracks should be used in full lengths.
- **Don't** run services in the gap between Shaftliner™ fire barrier and framework.
- **Don't** use Partiwall® H-stud in lieu of Partiwall® track as edge capping nor as horizontal joint in Shaftwall™ fire barrier.

## Technical Enquiries

### TecASSIST

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F: (03) 9214 2192

E: [tecassist@boral.com.au](mailto:tecassist@boral.com.au)

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## Sales Enquiries

**1800 003 377**

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<b>New South Wales</b>	3 Thackeray Street, Camellia 2142	F: (02) 9638 5557
<b>Northern Territory</b>	Coonawarra Road, Winnellie 0820	F: (08) 8984 3778
<b>Queensland</b>	22 Kirra Street, Pinkenba 4008	F: (07) 3115 7321
<b>South Australia</b>	39 Burleigh Avenue, Woodville North 5012	F: (08) 7002 6381
<b>Tasmania</b>	93 Albert Road, Moonah 7009	F: (03) 6278 9865
<b>Victoria</b>	251 Salmon Street, Port Melbourne 3207	F: (03) 9214 2192
<b>Western Australia</b>	41 Rudderham Drive, North Fremantle 6159	F: (08) 6226 9833
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## [www.boral.com.au/partiwall](http://www.boral.com.au/partiwall)

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For further information contact TecASSIST® or your nearest Boral Plasterboard Sales Office.

