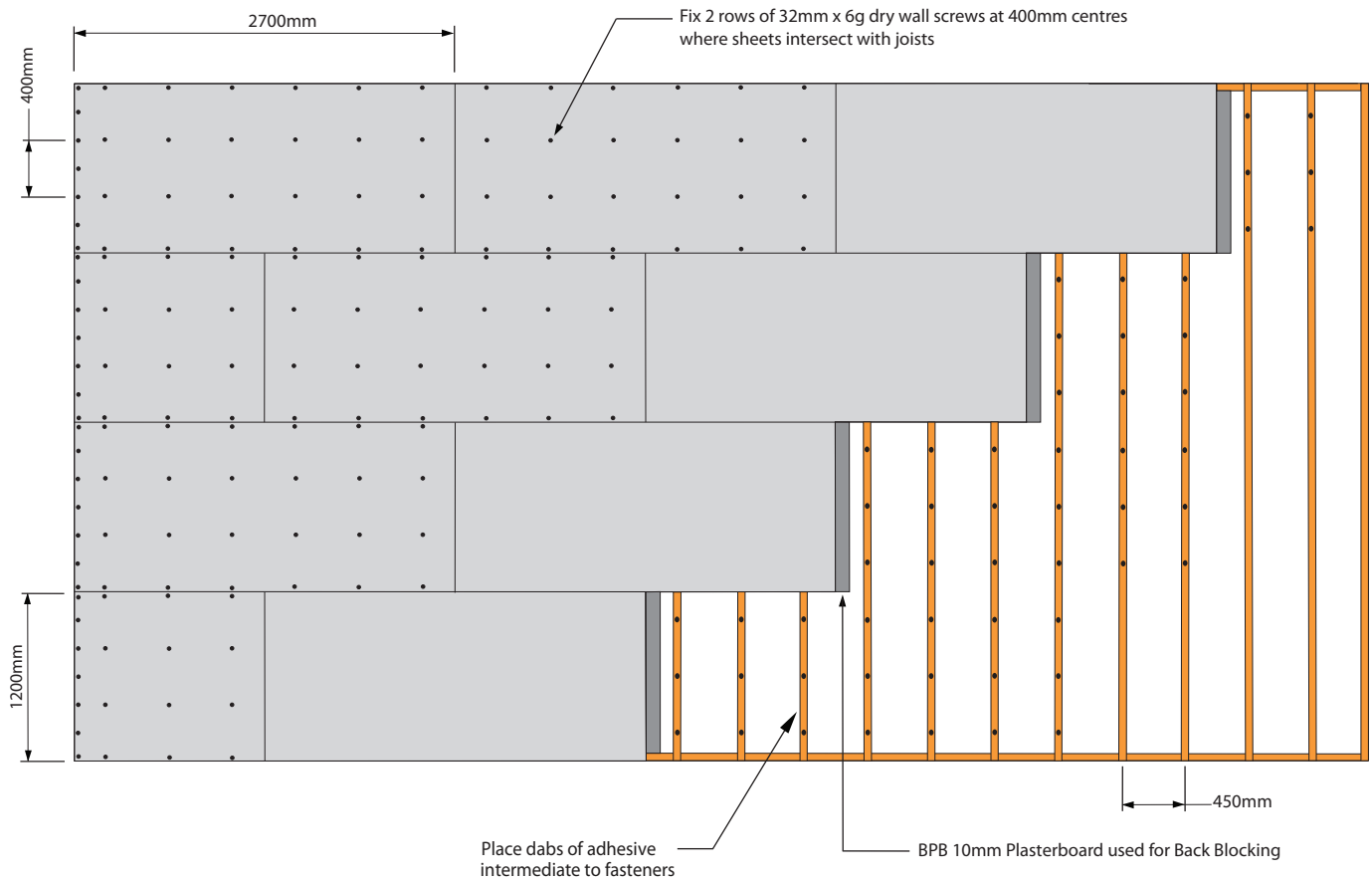


# Construction Details - Ceiling - 10mm BPB Std with timber joists/battens at 450mm centres, 1/3 spacing

Ceiling layout for 10mm BPB Standard Plasterboard with joists or battens spaced at 450mm centres. 1/3 spacing fixing method as per AS/NZS 2589 : 2007 shown.



**Installing 10mm BPB Standard Plasterboard to Timber Joists/Battens at 450mm Centres.**

1/3 Spacing installation method for fixing 10mm BPB Standard Plasterboard to timber framed ceilings where the joists/battens are positioned at 450mm centres as per AS/NZS 2589:2007.

- Apply dabs of adhesive approximately 25mm in diameter to joists/battens and at 400mm centres intermediate to the fixing centres. As per below table.

Fixing	Adhesive	Fixing	Adhesive	Fixing	Adhesive	Fixing
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- Position sheets hard up against ceiling joists/battens. Use longer sheets where possible to reduce the quantity of sheet end joints.
- Fix centre row of 32mm x 6g drywall fasteners in the middle of the sheet first. Then continue moving towards each end of the sheet until completely fixed.
- Fix single fasteners at the sheet edge joint where the sheet intersects with the framing.
- Fix single fasteners at 200mm centres to the sheet ends at the ceiling perimeter. As per below table.

Fixing	Fixing	Fixing	Fixing	Fixing	Fixing	Fixing
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- It is important to ensure that fasteners do not pass through adhesive as this can lead to the fasteners protruding through the sheet (known as popping).
- Sheet ends are to be formed off the joist/batten and back blocked, Refer Section 15.
- All sheet joints are to be paper taped and stopped in accordance with AS/NZS 2589:2007 to the required level of finish. Where a level 5 finish is required all joints are to be back blocked.
- Ensure when installing BPB Plasterboard to timber framed ceilings that the dwelling is fully enclosed and protected from external climatic conditions and the moisture content of the framing is not greater than 18%. This will help to prevent sheet sagging and joint peaking.
- Should there be heavy fixtures to be installed into or onto the plasterboard ceiling then additional supports and or actions need to be considered.
- Should the ceiling require fire rating then all joints are to be formed over framing and BPB Firestop Plasterboard should be used. Refer to BPB Fire & Acoustic Manual for further installation details.
- Where ceiling diaphragms are required please refer to the BPB Bracing manual for further details.
- Control joints should be installed in ceilings which have a continuing span of 12 meters in either direction. Or where there is expected movement within the span of the ceiling structure.
- Fasteners to not less than 12mm from the paper formed edge of the sheet and 18mm from the cut edge of the sheet.