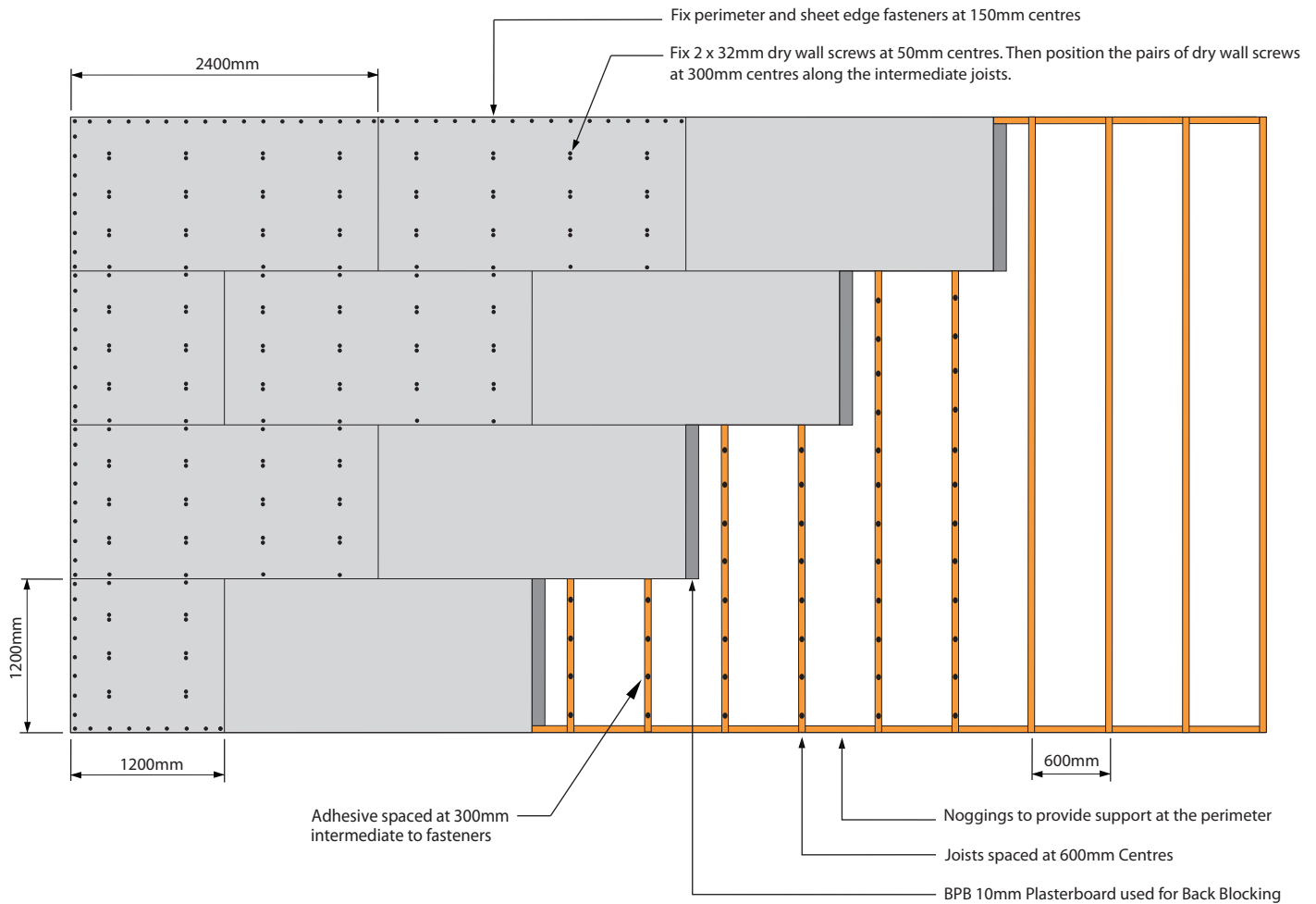


# Construction Details - Ceiling - 10mm BPB Std with timber joists/battens at 600mm centres, double fixings

Ceiling layout for 10mm BPB Standard Plasterboard with timber Joists or battens spaced at 600mm centres. Double fixings at 300mm centres shown.



**Installing 10mm BPB Standard Plasterboard to Timber Joists/Battens at 600mm Centres.**

BPB recommends the following installation method for fixing 10mm BPB Standard Plasterboard to timber framed ceilings where the joists/batten are positioned at 600mm centres.

- Apply dabs of adhesive approximately 25mm in diameter to joists/battens at 300mm centres intermediate to the fixing centres. As per the below table.

Single Fixing	Adhesive	Double Fixing	Adhesive	Double fixing	Adhesive	Double fixing	Adhesive	Single 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 3 rows of double fasteners 50mm apart and at 300mm centres throughout the field of the sheet where the sheets intersect with the joists/battens.
- Fix single fasteners at the sheet edge joint where the sheet intersects with the framing.
- Fix single fasteners at 150mm centres to the sheet ends at the ceiling perimeter. As per the below table.

Single Fixing	Single Fixing	Single Fixing	Single Fixing	Single Fixing	Single Fixing	Single Fixing	Single Fixing	Single 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 or walls 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 be not less than 12mm from the paper formed edge of the sheet and 18mm from the cut edge of the sheet.