



**Kingspan Kooltherm® K17  
Insulated Plasterboard**

Timber framing in accordance  
with NZS 3604:2011

**Kingspan Kooltherm® K17  
Insulated Plasterboard**

Bulk insulation

**Kingspan Thermakraft Watergate Plus® (Note 2)**

External cladding

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- NOTES:**
- 1 - Sheets of Kooltherm K17 should be located centrally over the timber studs and fixed using either screws at 300 mm centres or large headed galvanised clout nails at 150 mm centres.
  - 2 - Thermakraft Watergate Plus® is the recommended wall underlay, however any Thermakraft breathable absorbent wall underlay may be suitable.
  - 3 - Screw size vary according to Kooltherm K17 thickness, allow for Kooltherm K17 thickness plus 25mm minimum embedment into the timber frame.
  - 4 - Seal exposed edges of Kooltherm K17 with a polyurethane non-solvent base sealant.
  - 5 - When installing sheets onto timber, fixings should be long enough to allow a minimum 25mm into the timber frame. Fixings should not penetrate through the studs. Fixings should be driven straight, with the heads embedded just below the surface of the plasterboard. Care should be taken not to overdrive nails/screws.
  - 6 - This document must be read in conjunction with Installation Guide Kooltherm K17 Insulated Plasterboard.

Drawing Title:  
**K17-Timber Frame-K17 Steel  
Ceiling Battens**

Product Name:  
**Kooltherm K17 Insulated Plasterboard**

Drawing:  
**K17-TF-K17SCB**

Scale: <b>1:2</b>	Size: <b>A3</b>	Revision: 1.1
Date: April 2025		

