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#### NOTES:

- 1 - Mechanical fasteners should be long enough to fix through the Kooltherm K7 and provide 30mm min embedment for screws into timber framing and three thread engagement for screws into steel rafters.
- 2 - Thermakraft COVERTEK 4070 is the recommended roof underlay; however, any Thermakraft breathable absorbent roof underlay may be suitable for installation directly under the roof cladding. Kingspan Thermakraft RainArmor® is installed directly to the face of the Kooltherm K7 Pitched Roof Board. It is an alternative to the underlay directly under the roof cladding.
- 3 - To reduce air infiltration, tape the Kooltherm K7 joints with Kingspan AIR-CELL Insulation Tape, Kingspan Thermakraft Premium Joining Tape or Thermalash. If using the Kingspan Thermakraft RainArmor taping the Kooltherm K7 joints is not necessary.
- 4 - If gap exists between the Kingspan Thermakraft RainArmor and the expanding foam, check the expanding foam's compatibility with Kooltherm K7 before mass apply. A polyurethane non-solvent base product is recommended.
- 5 - The maximum span of Kooltherm K7 is 600mm and beyond this, additional support should be installed.
- 6 - Use appropriate mechanical fasteners to install counter battens on top of the Kooltherm K7. The purlin counter batten spacings and fixings need to be calculated from the building's specific wind load and roofing material.
- 7 - Install treated timber stop battens fixed to the side of the rafters to provide a 'stop' below the insulation.
- 8 - This document must be read in conjunction with the Installation Guide of Kooltherm K7 Pitched Roof Board.
- 9 - This document must be read in conjunction with Kingspan Thermakraft RainArmor Installation Guide and Data Sheet prior to installation.

Drawing Title:

## K7-Timber Frame-Barge Termination-External Rigid Insulation -Profiled Metal Cladding

Product Name:  
**Kooltherm K7 Pitched Roof Board**

Drawing:

## K7-TF-BT-ERI-PMC

Scale:  
**1:2**

Sheet:  
**A2**

Revision: 1.0  
Date: September 2025



**Thermakraft**