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SMARTSPEC

1 INSULATION

1.1 Preliminary

Refer to General Conditions of Contract and the Special Conditions in this Specification as appropriate. Read this section in conjunction with all other trade sections.

1.2 Compliance

Comply with the New Zealand Building Code 1992 including all revisions and amendments, Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

Comply with all relevant provisions and recommendations of:

NZBC F2	Hazardous Building Materials
NZBC H1	Energy Efficiency

1.3 STEICO Wood Fibre Rigid Insulation Board

1.3.1 Scope

Supply and install Kingspan Insulation NZ Ltd - STEICO wood fibre rigid insulation boards, as specified herein, to the locations and details shown on the design drawings. All aspects of this work shall comply with the NZ Building Code, related Kingspan Insulation NZ Ltd - STEICO wood fibre rigid insulation boards technical literature and publications (check www.kingspaninsulation.co.nz or email technical@kingspaninsulation.co.nz or call 0800806595 for the latest editions), and other relevant product manufacturers' recommendations.

No substitutions are permitted for Kingspan Insulation NZ Ltd - STEICO wood fibre rigid insulation boards.

For the purpose of this specification, the Thermal Insulation System is referred to as Kingspan Insulation NZ Ltd - STEICO wood fibre rigid insulation boards & or Kingspan - STEICO wood fibre rigid insulation boards or STEICO, and all Kingspan Insulation NZ Ltd associated technical literature and publications, including the Product Technical Statement, installation instructions and drawings, are collectively referred to as the 'Technical Literature'.
Kingspan Insulation NZ Ltd - STEICO wood fibre rigid insulation boards are designed for Residential, Commercial & Industrial buildings with an ability to be used in all occupancy type classification as applicable.

An Environmental Product Declaration is available for STEICO® product range noted in the accompanying drawings. For further information please contact Kingspan Insulation NZ Ltd - STEICO on email technical@kingspaninsulation.co.nz or call 0800806595.

Extent of work:
The following is a list and/or general description of the extent of the Kingspan Insulation NZ Ltd -

STEICO wood fibre rigid insulation board works, which are more specifically defined in the contract documents, required for the completion of the contract works:

1.3.2 Requirements

Comply with the Health and Safety at Work Act 2015 (HSWA), and with all relevant Health and Safety at Work Regulations 2016, and with all relevant WorkSafe New Zealand (WorkSafe) Approved Codes of Practice and WorkSafe Information and Guidance, particularly those for construction and building maintenance.

Substitutions
The Kingspan STEICO wood fibre rigid insulation board product range shall be as specified herein and on the design drawings. The substitution of the Kingspan STEICO wood fibre rigid insulation board product range for an alternative brand, system or product is not permitted under any circumstances. The substitution of the specified Kingspan STEICO wood fibre rigid insulation board product range or component for an alternative Kingspan STEICO wood fibre rigid insulation board product range or component by the Contractor shall only be permitted with the Contract Administrator's written authorisation and shall be at no additional cost to the Principal. Should any resultant extra work and/or redesign work be required to accommodate an alternative Kingspan STEICO wood fibre rigid insulation board product range or component to satisfy design, performance, and compliance requirements, then the cost of these shall be borne by the Contractor.

Inspections & Reporting
BCA inspections shall take place at each of the stages as scheduled in the Building Consent. Confirm a written programme to facilitate these inspections, including notification when each stage of the work is ready for inspection.
Carry out all necessary pre-installation and installation inspections for each area of the works.
Complete all necessary Pre-Installation Checklists prior to installation, and all necessary Installation Checklists.
Complete all necessary Final Checklists and Installation Sign-Off Certificates before handing over completed work.

Defective materials & workmanship
Should defective materials and/or work be found at any time before the final acceptance of the work, it shall be rejected. Rejected Kingspan STEICO wood fibre rigid insulation board product range and work shall be repaired and/or replaced to the satisfaction of the Contract Administrator without delay and at no additional cost to the Principal.

1.3.3 STEICO

STEICO Universal – 22mm
Rigid insulation board for external walls and pitched roofs. STEICO Universal is made using the wet process, where soaked wood fibres are formed into boards meaning the wood’s own lignin binds the boards. These boards have higher density and more strength compared to boards made using the dry process.
Compatible with timber-framed and steel structures.
Suitable for various roof and wall systems with Tongue & Groove edge profile. Can be supplied in