Aquatherm Underfloor Heating System

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1 Specification Details

Trade Sections: Specialist Services & Equipment
Description:
Keywords: Specialist Services & Equipment

2 Clauses

2.1 Scope

Help Note:
For technical information on products to attach to this project, please visit productspec.co.nz/en/supplier/aquatherm.

2.1.1 Scope

Supply, install, and commission the aquatherm Underfloor Heating System, complete with all accessories, incidental items and technology necessary for full operation, performance and control of the floor heating system, to the locations and details shown on the drawings. All aspects of this work shall be in strict accordance with aquatherm Underfloor Heating System specification, technical literature and installation requirements and recommendations (check 09 570 7204 for the latest editions), and other relevant product manufacturers' recommendations.

No substitutions are permitted for aquatherm Underfloor Heating System.

2.2 Co-operation

2.2.1 Co-operation

Co-operate with other trades to ensure that all preliminary and preparatory works are completed to specification and as shown on the drawings.
Co-ordinate with all trades to install all aquatherm Underfloor Heating System components and controls to the required locations, routes, clearances, and tolerances.

2.3 Installation

2.3.1 Installation

All installation work shall be carried out by qualified tradesmen, under the direct supervision of a NZ certified Registered Plumber, aquatherm accredited and familiar with the specified system products and installation techniques, and in strict accordance with aquatherm installation requirements and as noted and detailed on the drawings.

Handle and store aquatherm products in accordance with the manufacturer's requirements. Keep products clean, dry and protected from damage. Do not use damaged or faulty products.

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Ensure that all preparatory work has been completed as specified prior to installation.

All system components shall be installed to the locations shown on the drawings and as directed by the Architect/Designer.
Install and connect all aquatherm Underfloor Heating System components including base and edge insulation, pipe-keeper plates, heating pipes, expansion joints, pumps, manifolds, valves, system controls, and accessories, to form all heating circuits in accordance with the manufacturer's specification requirements and configuration.
Charge the system and connect all operating controls to the manufacturer's specification and requirements.

All components and controls shall be configured, tested, and set to comply with the required operating functions and performance requirements of the aquatherm Underfloor Heating System specification, and with all related Regulations and Acts.

2.4 Completion

2.4.1 Completion

Commission the Underfloor Heating System in accordance with aquatherm requirements and recommendations to the specified operating functions, performance requirements, and ambient temperature. Check for damage and faults and replace components as necessary.

Issue to the Owner a copy of the aquatherm Underfloor Heating System Operation & Maintenance Manual and a copy of the aquatherm Underfloor Heating System Warranty when installation and commissioning is completed.

Provide all necessary As-Built Documentation as required.

3 Compliances

- 2492:2007(AS/NZS) - Cross-linked polyethylene (PE-X) pipes for pressure applications
- 3500.4:2003(AS/NZS) - Plumbing and drainage - Part 4: Heated water services
- 3604:2011(NZS) - Timber-framed buildings

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