

## Building Product Information Sheet

Product name:

Multitubo - PE-RT Underfloor Pipe system

Product line (the product line from which the product is customised):

Multitubo Piping system

Product description and its intended use (measurements, materials, usage):

The Multitubo PE-RT Inverse Pipe System incorporates a polyethylene raised temperature (PE-RT) pipe and brass fittings for use in underfloor heating systems.

Product identifier (if applicable):

MT16PERT-300 / 500

Please of manufacturer:  Aotearoa New Zealand  Overseas

Legal and trading name of the manufacturer(s):

DW Verbundrohr GmbH

Legal and trading name of the manufacturer(s):

Central Heating New Zealand Ltd

Address for service:

STREET NAME 52 Pilkington Way

SUBURB Wigram

CITY, COUNTRY Christchurch, New Zealand

POSTCODE 8042

Website:

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Relevant Building Code clauses:

Clause B2 DURABILITY:

Performance B2.3.1 (a) and (b)

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1.

Clause G10 PIPED SERVICES:

Performance G10.3.1 [a].

Statement on how the building product is expected to contribute to compliance:

Clause B2 DURABILITY:

Performance B2.3.1 (a) not less than 50 years. and B2.3.1 (b) 15 years. The Multitubo Piping System meets these requirements.

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1. The Multitubo Piping System meets this requirement and does not present a health hazard to people.

Clause G10 PIPED SERVICES:

Performance G10.3.1 (a). The Multitubo Piping System contributes to meeting this requirement when used in heating systems.

Tests have been carried out on the Multitubo PE-RT Inverse Pipe System by Exova to the requirements of ISO 9080 and by Süddeutsche Kunststoff-Zentrum (SKZ) to the requirements of ISO 21003-5. The test results have been reviewed by BRANZ experts and found to be satisfactory.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured*
- *physical properties of the building product*
- *how the building product is intended to be used.*

**Limitations on the use of the building product:**

- Please refer to the Multitubo PE-RT [technical sheet](#) and [product specification](#) supporting information provided on the Central Heating NZ website.
- The hot water heating system must not be connected to the potable water supply system.
- Refer also BRANZ Appraisal 916
- The Multitubo PE-RT Inverse Pipe System should be handled with care to prevent damage. The pipe must be stored where it will not be exposed to sunlight (UV light).

**Design requirements that would support the use of the building product:**

The heating system design, including the layout of the pipe, must be carried out by a suitably qualified designer.

Please refer to the Multitubo PE-RT [technical sheet](#) and [product specification](#) supporting information provided on the Central Heating NZ website.

Compliance with NZ building code clause B1 for installation of underfloor heating pipework within a concrete floor slab is outside the scope of B1/AS1 and the responsibility of the slab designer. Specific flooring design must be in accordance with AS/NZS 1170 and NZS 3101.1. Non-specific flooring design must be in accordance with NZS 3604 or NZS 4229, as amended by NZBC Clause B1/AS1. Construction must be in accordance with NZS 3109.

Design must consider the requirement of building code clause H1 for heated slabs.

Plumbing and electrical services may be installed above or below the Multitubo PE-RT Inverse Pipe System, however layouts should be designed to avoid this if possible.

**Installation requirements:**

Please refer to the Multitubo PE-RT [installation guide](#), [how to repair](#), [benefits](#), [test report](#) and [product specification](#) supporting information provided on the Central Heating NZ website.

The minimum bending radius for Multitubo PE-RT Inverse Pipes is five times the pipe diameter.

The Multitubo Piping System must not be used where it will be subject to direct sunlight. Riser sections of pipe in heating systems must be covered from direct sunlight during installation and operation, or until the building is closed in.

The system must be designed so that no joints in the pipe are cast within the concrete. Pipework should not be laid under walls or closer than 150 mm to external walls, internal walls, or positions where heavy items such as machinery or storage racks will be permanently located.

Concrete cover to the top of pipework must be at least 25 mm thick.

Successful installation of the Multitubo PE-RT Inverse Pipe System will involve the co-operation of various tradespeople to avoid damage during worksite operations.

As the metal sleeves of the press fittings are not stainless steel, they must not be used in environments that would be conducive to corrosion.

Cold water supply pipes must not be embedded in heated concrete slabs. Where water supply pipes must pass through concrete slabs they must do so at right angles to the surface of the slab and be lagged with an impermeable flexible plastic material of not less than 6 mm thickness for the full depth of the slab penetration.

Maintenance requirements:

Access for [maintenance](#) and replacement is limited where installation is encased in cast concrete slabs.

Check Fernox inhibitor levels are within acceptable range.

Is the building product/building product line subject to warning or ban under section 26?:

Yes  No

If yes, description of the warning or ban under section 26:

Date:

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