

A balanced, comprehensive copper tube and press fitting concept for plumbing and HVAC applications

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



KE KELIT confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark

[BCS-170617-CMNZ](#)



Technical Statement

Product Description

The COPPERFIX product range is made up of two pipe systems: **copper tube and copper press fittings**.

COPPERFIX press fittings' special oval design have —Leak Before Pressed (LBP) functionality. The design of the fitting will ensure that the fitting will leak during the pressure test if the installer has forgotten to press the fitting.

Operating Conditions

-20°C - 110°C / 16 bar

Component Sizes

Available copper piping diameters are 15, 18, 22, 28, 35, 42, 54, 66.7, 76.1, 88.9 and 108 mm

Material

COPPERFIX Press fittings: CU-DHP material CW024A.

COPPERFIX Threaded fittings: material bronze 2.109.

COPPERFIX Copper Pipe: copper tube in accordance with EN1057 or ÖVGW GW392.

Scope of use

The COPPERFIX system by KE KELIT is suitable for use in potable hot and cold water applications, compressed air and applications like heating and cooling systems, typically found in commercial buildings.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.2
- **Clause B2 Durability:** Performance B2.3.1(a)
- **Clause F2 Hazardous building materials:** Performance F2.3.1
- **Clause G10 Piped services:** Performance G10.3.1
- **Clause G12 Water supplies:** Performance G12.3.2, G12.3.7
- **Clause H1 Energy efficiency :** Performance H1.3.4(c)

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



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Product Criteria

Design requirements

All designs and construction shall be within the requirements and the tables set out in the COPPERFIX Australasian Technical Specification Rev 2: April 2017 and the COPPERFIX System Handbook 05/2016 - available from the manufacturer's web site www.kekelit.co.nz, including design velocities in accordance with the corresponding European standards referenced, and all other uses are outside the scope of this certificate.

Company Contact Details



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Installation requirements

Installation shall be performed by KE KELIT (NZ) Ltd. trained and approved installers, who shall be suitably qualified Licensed Building Practitioners.

Installation and maintenance - where applicable - of the COPPERFIX System, shall be in accordance with the COPPERFIX Australasian Technical Specification Rev 2: April 2017, COPPERFIX Training Manual and the COPPERFIX System Handbook 05/2016.

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **26 November 2018**



Date last updated: **26 November 2018**

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