

Multilayer pipe, push fittings and press fittings. For home heating/cooling, plumbing & HVAC

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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-144116-CMNZ](#)

WaterMark

[WaterMark Licence - WM-022381](#)



Technical Statement

Product Description

Reduced installation times will result when using the KELOX multi-layer piping system as a result of the simple installation design of the push and press fittings.

KELOX MULTILAYER pipes are low weight, impermeable to water vapour and oxygen where all five layers are produced and joined 'online' in one manufacturing process and can be used in all applications available in pipe sizes ranging from 16 - 75mm.

KELOX PROTEC push fittings are compact, easy to install, with DZR or PPSU bodies, push sleeve made of polyamide, synthetic ageing resistant EPDM O-rings and, are suitable for all applications, both surface-mounted and embedded available for pipe sizes 16 - 32mm.

KELOX WINDOX press fittings are compact, easy to install, with PPSU bodies, DZR threads and have a press sleeve made of stainless steel. WINDOX is suitable for all applications, both surface-mounted and embedded available for pipe sizes 16 - 75mm.

KELOX Operating Conditions

Drinking water systems: 70°C / 10 bar with maximum short term temperature of 80°C. For conditions where temperature is in the range 0 - 20°C maximum pressure of 16 bar permitted.

Radiator Systems: 90°C / 10 bar.

Scope of use

KELOX multi-layer piping systems can be used as piping components for drinking water systems according to EN ISO 21003 Class 2 and radiator systems according to EN ISO 21003 Class 5.

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(b), H1.3.4(c)

Supporting Evidence

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



CodeMark

[BCS-144116-CMNZ](#)



WaterMark

[WaterMark Licence - WM-022381](#)

Company Contact Details



Company: KE KELIT

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Naenae
LOWER HUTT

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LOWER HUTT

Email: info@kekelit.co.nz

Website: <http://www.kekelit.co.nz/>

Product Criteria

Design requirements

All designs and construction shall be within the requirements and the tables set out in the KELOX Multilayer Australasian Technical Specification Rev10 and the KELOX Multilayer Handbook 2015 -

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

Installation requirements

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

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)

Videos

[KELOX PROtec Installation](#)



Date last validated: **26 November 2018**



Date last updated: **26 November 2018**

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