

Hot and cold water reticulation, compression sleeve joint with PEXa pipe

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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



Rehau confirms that this minimum level of assurance has been met or exceeded by the following:
BRANZ Appraisal
[434 \(2016\)](#)



The following information has been provided by Rehau demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

Product Description

The PINC system is used to transport potable water in a wide range of domestic and commercial applications. The system comprises of a range of fittings and RAUTITAN pipes.

The pipes are made of cross-linked polyethylene (PE-Xa) and the fittings are made of brass or engineered polymer.

The pipes and fittings are available in sizes 16 mm and 20 mm.

The system components (pipe and fitting) are combined using push-fit technology.

Scope of use

PINC system shall be used to transport potable water in domestic and commercial applications.

The general operating parameters of the PINC system is 70 C/10 bar for a lifespan of 50 years.

PINC system shall only be installed in approved applications and in locations described in the PINC Technical Information, which is available to download at the following link:

<https://www.myrehau.com/upload/brochures/8181fb4cfd8d8f1bf029a73697f03aff.pdf>

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 B2 Durability:** Performance B2.3.1, B2.3.1(a)
<https://www.rehau.com/downloads/893966/rehau-pinc-technical-product-book.pdf>
- **Clause F2 Hazardous building materials:** Performance F2.3.1
<https://www.rehau.com/downloads/893966/rehau-pinc-technical-product-book.pdf>
- **Clause G10 Piped services:** Performance G10.3.1
<https://www.rehau.com/downloads/893966/rehau-pinc-technical-product-book.pdf>
- **Clause G12 Water supplies:** Performance G12.3.2, G12.3.7
<https://www.rehau.com/downloads/893966/rehau-pinc-technical-product-book.pdf>
- **Clause H1 Energy efficiency :** Performance H1.3.3
<https://www.rehau.com/downloads/893966/rehau-pinc-technical-product-book.pdf>

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

REHAU PE-Xa pipes comply with AS/NZS 2492 for crosslinked polyethylene (PE-Xa) pipe for pressure application, and certified under WaterMark LN1413

RAUTITAN fittings comply with AS/NZS 2537 for mechanical jointing fittings for use with crosslinked polyethylene (PE-Xa) pipes for pressure applications, and certified under WaterMark LN1412.

RAUTITAN system complies with ISO 15875 plastic piping systems for hot and cold water installations - crosslinked polyethylene (PE-X)

Supporting Evidence

masterspec partner

Company Contact Details



Company: Rehau Ltd
Physical Address: 60B Cryers Road, East Tamaki, MANUKAU
Postal Address: 60B Cryers Road, East Tamaki, MANUKAU
Telephone: 64 09 2722264
Fax: 64 09 2722265
Email: andrew.whisker@rehau.com
Website: <http://www.rehau.com/au-en/>

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



BRANZ Appraisal
[434 \(2016\)](#)

Product Criteria

Design requirements

PINC system shall only be used to transport water that meets the drinking water guidelines of New Zealand.

Installation requirements

PINC system shall only be installed in approved applications and in locations described in the PINC Technical Information. It shall be installed in accordance with AS/NZS 3500.

PINC system shall only be installed by qualified plumbers that are trained in the use of PINC system.

Maintenance requirements

PINC system shall only be operated within the operating parameters described in the PINC Technical Information.

Company Product Information

Environmental

A Life Cycle Assessment for RAUTITAN system (Environmental Product Declaration) is available [on our website](#).

Videos

[Flow Test](#)

[Burst Pressure test](#)

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Rehau Ltd

Business Email:

andrew.whisker@rehau.com

Company Website:

www.rehau.com

Contact Number/s:

+64 09 -2722264

Product Identifier

REHAU PINC SYSTEM

Warnings

This product has no warnings associated with it.



Date last validated: **01 December 2023**



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