Mayer Stainless Steel Press-Fit Piping System
BPIR Declaration

Version: 1.0

Designated building product: Class 1

Declaration

Aquatherm NZ Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	Mayer Stainless Steel Press-Fit Piping System
Line	The Mayer Stainless Steel Press-Fit Piping System consists of 316L Stainless steel pipes and fittings.
Identifier	Mayer Stainless steel Press-fit

Description

The Mayer Stainless Steel Press-Fit Piping System:

- Is used in hot and cold potable water supplies and hot water circulating systems.
- Consists of 316L Stainless steel

Scope of use

The Mayer Stainless Steel Press-Fit Piping System can be used in:

- Residential and Commercial applications - for the supply of hot and cold potable water.
- The system has a 50 year durability with a maximum 80°C and 1000Kpa making it suitable to be placed behind concrete and other permanent structures.

Conditions of use

Mayer Stainless steel Press - Fit piping system must be installed as per the instructions in the Mayer technical manual Version 3 2019 or later. The system should not be used in systems with uncontrolled heat sources such as wetbacks or solar heating without adequate temperature control prior to connection to Mayer Stainless steel products.

Relevant building code clauses

B2	Durability	B2.3.1 (a)
F2	Hazardous building materials	F2.3.1
G10	Piped services	G10.3.1
G12	Water Supplies	G12.3.2, G12.3.7
H1	Energy efficiency	H1.3.3

Contributions to compliance

B2 Durability; Performance B2.3.1 [a] not less than 50 years, B2.3.1 [b] 15 years, and B2.3.1 [c] 5 years. The Mayer Stainless Steel Press-Fit system meets these requirements. See Branz Appraisal No. 1033 [2018] Paragraphs 8.1-8.2

F2 Hazardous Building materials: Performance F2.3.1. The Mayer Stainless Steel Press-Fit system meets this requirement and not present a health hazard to people. See Branz Appraisal No. 1033 [2018].

G10 water services: Performance G10.3.1 [a]. The Mayer Stainless Steel Press-Fit system meets this requirement when used in heating systems. See Branz Appraisal No. 1033 [2018]. Paragraph 9.1

G12 Water Supplies: Performance G12.3.2[c] and G12.3.7 [a] and [b]. The Mayer Stainless Steel Press-Fit system meets these requirements. See Branz appraisal No. 1033 [2018] paragraphs 10.1-10.2

H1 Energy Efficiency: See Branz appraisal No. 1033 [2018] paragraph 13.1 Energy Efficiency, All domestic hot water distribution pipes must be insulated in accordance with the requirements of NZS 4305, Sections 3.7 and 3.8

Supporting documentation

The following additional documentation supports the above statements:

Mayer Stainless Steel Press-Fit technical and installation manual	Version 3 2019	https://mayerstainless.co.nz/wp-content/themes/mayer-official/assets/Mayer_Press-FitProduct_TechnicalManual-v3.pdf
Mayer stainless steel press-fit Watermark Certificate	08 October 2021	https://forms.iapmo.org/ocna/listing/display_schedule.aspx-?scheme=WMK-ABCB&ID=2260
Branz Appraisal	2023	https://d39d3mj7qio96p.cloudfront.net/media/documents/1033_2023.pdf

For further information supporting Mayer Stainless Steel Press-Fit Piping System claims refer to our website.

Contact Details

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Importer NZBN:	9429037671273
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Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that Mayer Stainless Steel Press-Fit Piping System is not subject to a warning on ban under s26 of the Building Act

Signed for and on behalf of Aquatherm NZ Ltd:

Name:	Andrew Sommerville
Position:	Managing Director
Month Year:	December 2023

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Appendix

Note: The below appendix includes information relating to BPIR Ready.

Publishing this information is not a requirement under BPIR. Its inclusion here is to provide a reference for how this BPIR summary was generated as well as to help summary creators understand the performance clauses suggested by BPIR Ready.

BPIR Ready selections

Category: Potable water conveying systems	Yes	No
Intended for hot water transmission	x	
Capable of being permanently concealed	x	

Building code performance clauses

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:

(a) the life of the building, being not less than 50 years, if: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

G10 Piped services

G10.3.1

Piping systems shall be constructed to avoid the likelihood of:

a. significant leakage or damage during normal or reasonably foreseeable abnormal conditions,
b. detrimental contamination of the contents by other substances,
c. adverse interaction between services, or between piping and electrical systems, and
d. people having contact with pipes which could cause them harm.

G12 Water Supplies

G12.3.2

A potable water supply system must be—

a. protected from contamination; and
b. installed in a manner that avoids the likelihood of contamination within the system and the water main; and
c. installed using components that will not contaminate the water.

G12.3.7

Water supply systems must be installed in a manner that

a. pipes water to sanitary fixtures and sanitary appliances at flow rates that are adequate for the correct functioning of those fixtures and appliances under normal conditions; and
b. avoids the likelihood of leakage; and
c. allows reasonable access to components likely to need maintenance; and
d. allows the system and any backflow prevention devices to be isolated for testing and maintenance.

H1 Energy efficiency

H1.3.3

Account must be taken of physical conditions likely to affect energy performance of buildings, including

a. the thermal mass of building elements; and
b. the building orientation and shape; and
c. the airtightness of the building envelope; and
d. the heat gains from services, processes and occupants; and
e. the local climate; and
f. heat gains from solar radiation.