

Spartan Dual PEX

BPIR Declaration

Version: V1

Designated building product: Class 1

Declaration

Aqualine Trading Limited has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	Spartan Dual PEX
Line	
Identifier	Spartan

Description

- Used for Hot, Cold water and Gas services
- Fittings made from dezincification-resistance brass
- Constant recommended working temperature 60-65°C Maximum Temperature: 95°C
- Short-term Temperature in case of HWS malfunction: 100°C
- Pipe Dimensions: 16-32mm for water and Gas 40mm and 50mm Gas only
- Approval Mark international product Certification to Australian and New Zealand Standards
- 50 year warranty

Scope of use

- To be used in conjunction with PN-16 PE-Xb Pipe which is Cross-Linked Polyethylene and to be manufactured in accordance with Australian Standards AS.2492:2007 for PE-X pipes for Hot and Cold applications. PN-16 PE-Xb pipes are completely non-Toxic and are approved to AS4020. Spartan Dual PEX PN-16 PE-Xb.
- Residential and commercial applications
- 50 year warranty



Conditions of use

- Constant recommended working temperature 60-65°C Maximum Temperature: 95°C
- Short-term Temperature in case of HWS malfunction: 100°C
- Must be installed by a registered plumber or gasfitter
- Fittings must possess viewing ports on stainless-steel ring to ensure full insertion depths.
- It is the responsibility of the installer to check the tool and associated inserts are calibrated and serviced.

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

- Fittings to comply and to be manufactured to the standards as set out in AS/NZS2537.2:2011 - Mechanical jointed pipe fittings for use with cross-linked Polyethylene pipes (XLPE) for Hot and Cold applications and AS4176.8:2010 and Gas application.
- Gas Pipe complies and is manufactured in accordance with the standards as set out in AS4176.8:2010
- Item 3

Supporting documentation

The following additional documentation supports the above statements:

Spartan Pex Catalogue (Certification, Design, Installation, Warranty)	Version 1	https://aqualine.co.nz/pages/downloads
Spartan Dual Pex Crimp Specification Document (Certification, Design, Installation, Maintenance, Warranty)	Version 1	https://aqualine.co.nz/pages/downloads

For further information supporting Spartan Dual PEX claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Forza Global
Legal and trading name of importer	Aqualine Trading Limited



AQUALINE

Importer address for service	7 Winston Place Auckland 0654
Importer website	www.aqualine.co.nz
Importer NZBN	9429051344122
Importer email	orders@aqualine.co.nz
Importer phone number	098372725

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 Spartan Dual PEX is not subject to a warning on ban under [s26 of the Building Act](#).

Signed for and on behalf of **Aqualine Trading Limited**:

Jeff La Haye
Managing Director
November 2023

Aqualine Trading Limited

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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:
 - i. those *building elements* (including floors, walls, and fixings) provide structural stability to the *building*, or
 - ii. those *building elements* are difficult to access or replace, or
 - iii. 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.