



# Class 1

## Building Product Information Sheet

Product name:

Hansen True Fit Threaded Fittings

Product description and its intended use (*measurements, materials, usage*):

Compliance: Manufactured in accordance with AS/NZS 4020:2018

Product Code: Hansen True Fit Threaded fittings

Description: Threaded mechanical fittings in the size range 15mm BSP - 100mm BSP, manufactured from glass fibre reinforced nylon, intended for use with compatible plastic or metallic BSP threaded fittings with threads complying to AS / ISO 7.1 and AS / ISO 7.2 , in the conveyance of potable water.

Hansen True Fit Threaded fittings are self supporting under pressure, when correctly assembled, coloured black and intended for potable cold water pressure applications underground, and potable cold water pressure applications above ground complying with G12, and non potable water applications.

Applications:

- Water distribution for town, rural and irrigation projects
- Rider mains for urban water supply
- Potable cold water pipelines inside or under buildings
- Non potable water applications

Product identifier (*if applicable*):

Hansen True Fit Threaded Fittings

Place of manufacture:  Aotearoa New Zealand  Overseas

Legal and trading name of the manufacturer(s):

Hansen Products (N.Z.) Limited

Address for service:

STREET NAME 16 Union East Street

SUBURB Port Whangarei

CITY, COUNTRY Whangarei, New Zealand

POSTCODE 0110

Website:

www.hansenproducts.co.nz

Email address:

orders@hansenproducts.co.nz

Phone no. (*if applicable*):

09 430 4140

NZBN (*if applicable*):

9429039916716

Legal and trading name of the importer (if applicable):

Address for service:

STREET NAME	SUBURB
-------------	--------

CITY, COUNTRY	POSTCODE
---------------	----------

Website:

Email address:

Phone no. (if applicable):

NZBN (if applicable):

Relevant Building Code clauses:

B2 Durability: Performance Clauses B 2.3.1 (a) (i), (ii) and (iii), (b) and (c)

G12 Water Supply AS 1 Table 1,  
G12 Water Supply AS1 2.1.2

G14 Industrial Liquid Waste VM 1 Table 3

Statement on how the building product is expected to contribute to compliance:

B2 Durability: Performance Clauses B 2.3.1 (a) (i), (ii) and (iii), (b) and (c)  
Correctly designed and installed pressure systems using Hansen True Fit Threaded fittings will satisfy the performance requirements of both Clause B2.3.1 (a) (50 years - services which are difficult to access or replace) and Clause B2.3.1 (b) (15 years - services which are moderately difficult to access or replace).  
Clauses (a) and (b) cover the majority of applications with the exception of pipes used above ground which satisfy the requirements of N.Z.B.C. Clause B 2.3 (c). (5 years – services which are easy to access and replace).

G12 Water Supply AS 1 Table 1, - AS 1 Table 1 quotes AS/NZS 4129  
G12 Water Supply AS1 2.1.2 Quotes AS/NZS 4020  
- Hansen True Fit Threaded fittings comply with AS/NZS 4129, and AS/NZS 4020 ( certificate downloadable from Hansen website )

G14 Industrial Liquid Waste VM 1 Table 3 quotes AS/NZS 4129 - Hansen True Fit Threaded fittings comply with AS/NZS 4129

Compliant with AS/NZS 3500.1 Plumbing and Drainage Part 1 Water Services

- options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)
- standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured
- physical properties of the building product
- how the building product is intended to be used.

**Limitations on the use of the building product:**

Limitations: Hansen True Fit Threaded fittings should not be used:

- As a conductor for earthing electrical appliances
- All fire rated applications
- Without adequate support to the threaded joints both in above ground and below ground applications
- Any continuous services above 60Deg C internal or external temperature, or where specific provision for pressure derating has not been made
- With glycol / ethylene glycol
- Where the liquid in the pipe becomes solid (frozen)
- With medical gas, or fuel gas.
- With automotive fuel or oil
- To convey water that contains Chlorine or Chlorine derivatives , such as around a spa pool or swimming pool
- Where maximum system pressure in all situations including startup, shutdown, pressure surging and water hammer events for True Fit Treaded Fittings sizes up to 50mm exceeds PN16 or 1600KPA, size 65mm exceeds PN12 or 1200KPA and sizes 80mm and 100mm exceeds PN10 or 1000KPA

**Design requirements that would support the appropriate use of the building product:**

Hansen True Fit Threaded Fittings comply with the design requirements of AS3500.1:2021. The method of compliance is via conformance to Appendix B " Demonstrating products and materials are fit for purpose" Section B3.

**Installation requirements:**

Design & Installation: Hansen True Fit Threaded Fittings should be installed in accordance with the following Standards:

- General Installation:

AS/NZS 2033, "Installation of Polyethylene pipe systems"

- Buried Structural Design:

AS/NZS 2566 Part 1 and supplement 1. "Buried Flexible Pipelines - Structural Design"

- Detailed Installation and Site Pressure Testing:

AS/NZS 2566 Part 2 "Installation"

- Hansen published installation recommendations available on Hansen website ([www.hansenproducts.co.nz](http://www.hansenproducts.co.nz))

## Maintenance requirements:

None required in normal service

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

Yes  No

If yes, description of the warning or ban under section 26:

Version:

10a

Date:

1 | 0 | 1 | 0 | 2 | 3