



Class 1

Building Product Information Sheet

Product name:

Hansen Easy Fit Poly Fittings

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

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

Product Code: Hansen Easy Fit Poly Fittings

Description: Mechanical fitting in the size range 15mm - 50mm, manufactured from UV stabilised Glass fibre reinforced nylon, intended for use on New Zealand low density pipe made to NZS 7601:1978 Polyethylene Pipe (type 3) for cold water services, and also suitable for use on other types of flexible pipe and hose.

Hansen Easy Fit Poly fittings are self supporting on the pipe under pressure, when correctly assembled, coloured black and intended for potable cold water applications underground, or potable cold water plumbing applications above ground, complying with G12, or Industrial liquid waste complying with G14.

Applications:

- Rider mains for urban potable water supply
- Sub mains for urban and industrial potable water supply
- Conveyance of Industrial liquid waste
- Water distribution for forage, rural and irrigation products
- Non potable water applications

Product identifier by each product code:

HS - Hansen Straight | HLS - Hansen Long Straight | HRS - Hansen Reducing Straight | HMS - Hansen Male Straight | HFS - Hansen Female Straight | HRMS - Hansen Reducing Male Straight | HCEP - Hansen Male Camlock | PODTE - Hansen Pod Tow Eye | HT - Hansen Tee Connector | HRT - Hansen Reducing Tee Connector | HMT - Hansen Male Threaded Tee | HFT - Hansen Female Threaded Tee | HB - Hansen Bend | HMBS - Hansen Male Bend Short | HMB - Hansen Male Bend Long | HFB - Hansen Female Bend | HRMB - Hansen Reducing Male Bend Long | HRFB - Hansen Reducing Female Bend | HBE - Hansen Bracket Elbow | HRBE - Hansen Reducing Bracket Elbow | HPN - Hansen Poly Nut

Product identifier (if applicable):

Hansen Easy Fit Poly 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
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CITY, COUNTRY	POSTCODE
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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

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 Easy Fit Poly 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 AS1 2.1.2 Quotes AS/NZS 4020
- Hansen Easy Fit Poly fittings comply with AS/NZS 4020:2018

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 Easy Fit Poly fittings should not be used:

- As a conductor for earthing electrical appliances.
- All fire rated applications.
- Any continuous services above 60 Deg C internal or external temperature, or where specific provision for pressure derating has not been made.
- Any negative pressure (suction) condition without first consulting Hansen Products.
- With glycol / ethylene glycol.
- Where the liquid in the pipe becomes solid (frozen).
- With compressed air, medical gas, or fuel gas.
- To convey water that contains Chlorine or Chlorine derivatives, such as around a spa pool or swimming pool.
- Use of Hansen Easy Fit Poly fittings under driveways, paths or foundations is not recommended.
- With automotive fuel or oil.
- Where maximum system pressure in all situations including startup, shutdown, pressure surging and water hammer events exceeds PN16 or 1600KPA.

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

Hansen Easy Fit Poly 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 Easy Fit Poly 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)

Maintenance requirements:

None 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