



Class 1

Building Product Information Sheet

Product name:

Hansen Easy Fit ID Compression Fittings

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

Compliance: Manufactured in accordance with AS/NZS 4020:2018 - Fittings for polyethylene (PE) pipes for pressure applications
Product Code: HMDID

Description: PP mechanical compression fitting in the size range 15mm – 50mm ID, manufactured from polypropylene, with internal elastomeric seal rings and integral mechanical restraint grip rings, intended for use with pressure pipe complying to NZS 7601:1978 Polyethylene Pipe (type 3) for Cold Water Services, NZS 7602:1977 Polyethylene Pipe (type 5) for Cold Water Services Class C & D.

15mm to 40mm fit LDPE pipe

15mm to 50mm fit HDPE pipe

15mm to 50mm fit MDPE (when a conversion kit is used)

Hansen Easy Fit ID Compression Fittings will fit Medium Density pipe manufactured to AS/NZS 4130:2018 when an MD conversion kit is used.

Hansen Easy Fit ID Compression Fittings are self supporting on the pipe under pressure, when correctly assembled, coloured black, with Orange internal grip ring, thrust ring and seal washer 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

Product identifier by each product code:

HMDIDT - Hansen MDID Tee | HMDIDFT - Hansen MDID Female Threaded Tee Connector | HMDIDC - Hansen MDID Straight Coupling | HMDIDMC - Hansen MDID Male Straight Coupling | HMDIDFC - Hansen MDID Female Straight Coupling | HMDIDME - Hansen MDID Male Elbow | HMDIDFE - Hansen MDID Female Elbow | HMDIDE - Hansen MDID Elbow | HMDIDN - Hansen MDID Nut | HMDIDTR - Hansen MDID Thrust Ring | HMDIDGR - Hansen MDID Grip Ring | HMDIDPD - Hansen MDID Pipe Bush | HMDIDSEAL - Hansen MDID Seal | HMDIDW - Hansen MDID Seal Washer | HMDIDCK - Hansen MDID Conversion Kit

Product identifier (*if applicable*):

HMDID - Hansen Easy Fit ID Compression 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.com

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

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 ID Compression 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 ID Compression 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 ID Compression fittings should not be used:

- As a conductor for earthing electrical appliances.
- All fire rated applications.
- Any continuous services above 60Deg 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.
- Use of Hansen Easy Fit ID Compression 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 ID Compression 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 ID Compression 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