



# Class 1

## Building Product Information Sheet

Product name:

Hansen Easy Fit MD Compression Fittings

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

Compliance: AS/NZS 4020:2018 AS/NZS 4129:2020

Product Code: HMD

Description: PP mechanical compression fitting in the size range 20mm – 110mm OD, manufactured from polypropylene, with internal elastomeric seal rings and integral mechanical restraint grip rings, intended for use with PE 80 or PE 100 pressure pipe complying to AS/NZS 4130 Series 1

Hansen Easy Fit MD Compression 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

Product identifier by each product code:

HMDRT - Hansen Medium Density Reducing Tee Connector | HMDT - Hansen Medium Density Tee | HMDC - Hansen Medium Density Straight Coupling | HMDFT - Hansen Medium Density Female Threaded Tee Connector | HMDRSC - Hansen Medium Density Repair Slip Coupling | HMDMT - Hansen Medium Density Male Threaded Tee Connector | HMDRC - Hansen Medium Density Reducing Straight Coupling | HMDMC - Hansen Medium Density Male Straight Coupling | HMDFC - Hansen Medium Density Female Straight Coupling | HMDME - Hansen Medium Density Male Elbow | HMDFE - Hansen Medium Density Female Elbow | HMDE - Hansen Medium Density Elbow | HMDEC - Hansen Medium Density End Cap | HMDN - Hansen Medium Density Nut | HMDTR - Hansen Medium Density Thrust Ring | HMDGR - Hansen Medium Density Grip Ring | HMDORING - Hansen Medium Density O-Ring | HMDS - Hansen Medium Density Seal | HMDL - Hansen Medium Density Liner | HMDCK Hansen Medium Density Conversion Kit

Product identifier (*if applicable*):

HMD - Hansen Easy Fit MD 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 Clauses G12.1 (a), G12.2, G12.3.2 (c), G12.3.3,  
G12 Water Supply AS1 2.1.2

G14 Industrial Liquid Waste Clauses G14.1, G14.3.1 (a), G14.3.2 (c), (d), (f)

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 MD 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/AS3 Acceptable solution (Effective November 2 2023) refers to AS/NZS 3500.1:2021 as the applicable performance standard. Appendix B of AS3500.1:2021 states that any product use for contact with drinking water must conform to AS/NZS 4020:2018

Hansen Easy Fit MD Compression Fittings comply with AS/NZS 4129:2020, and AS/NZS 4020:2018 (Watermark Licence number WMKA21978)

G14 Industrial Liquid Waste VM 1 Table 3 quotes AS/NZS 4129:2020. Hansen Easy Fit MD Compression Fittings comply with AS/NZS 4129:2020 (Watermark Licence number WMKA21978)

- 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 MD Compression 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 the use of pipe support sleeves within the fitting.
- 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 MD Compression Fittings under driveways, paths or foundations is not recommended.
- Where maximum system pressure in all situations including startup, shutdown, pressure surging and water hammer exceeds PN16 or 1600 kPa.

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

Hansen Easy Fit MD Compression Fittings comply with the design requirements of AS/NZS 3500.1:2021. 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 MD 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.com](http://www.hansenproducts.com))

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