

NOVADRAIN™ Drain Waste and Vent Pipes for Gravity Sewer & Drain

(NON-PRESSURE APPLICATIONS ONLY)

Compliance: NOVADRAIN™ pipes are manufactured in accordance with AS/NZS 1260, PVC-U pipes and fittings for drain, waste and vent applications. (Standards Mark Licence number SMK20184 and SMK20185.) (DWV pipes and fittings are coloured light grey as specified in AS/NZS 1260. SN stiffness class represents values in N/m/m eg: SN6 pipe has a stiffness of 6000 N/m/m; SN16 pipe has a stiffness of 16000 N/m/m.

Product Code: 100 Series – plain solid wall pipe, or sandwich construction (SC) solid wall pipe

Description: NOVADRAIN™ is a solid wall PVC-U pipe. NOVADRAIN™ may be manufactured either as plain solid wall pipe or sandwich construction (SC) solid wall pipe. SC solid wall pipe technology is able to effectively utilize recycled PVC-U as permitted by the AS/NZS 1260 standard.

Joining: Solvent cement joints available in size DN100 SN6 and DN150 SN4. Rubber ring joints available in all sizes DN100 to DN600 inclusive.

Applications:

- Above ground waste and vent applications
- Domestic house drains
- Urban gravity sewer mains
- Industrial gravity discharge lines
- Thrusted gravity sewer main applications
- Abrasive slurries in quarrying and mining
- Acids, alkalis and aggressive chemicals.*

*Refer to 'A Guide to Chemical Resistance of Thermoplastic and Elastomeric Materials' - available from IPLEX Pipelines

Length: 6 metre effective length. Length of the witness mark is added to give the overall length.

Fittings: DWV Fittings (PVC-U)

- Solvent Weld Joint (Coded '100' Series) Injection Moulded fittings DN 100 - DN 150* Suitable for SN16 application
- Rubber Ring Joint (Coded '1500' Series) Injection Moulded fittings DN 100 - DN 150* Suitable for SN16 application

NOVADRAIN™ Pipe Dimensions						
Stiffness Classes		SN4	SN6	SN8	SN10	SN16
Nominal Size DN	Mean O.D. (mm)	Mean I.D. mm (min)	Mean I.D. mm (min)	Mean I.D. mm (min)	Mean I.D. mm (min)	Mean I.D. mm (min)
100*	110.2	-	103.8	-	103.0	101.6
150*	160.3	152.1	-	150.5	-	147.9
175	200.3	190.4	-	187.9	-	184.9
225	250.4	237.9	-	235.1	-	231.3
300	315.4	299.7	-	296.8	-	290.8
375	400.5	380.7	-	375.9	-	370.1
475	500.5	475.9	-	468.8	-	460.7
500#	560.3	530.0	-	524.8	-	-
600	630.5	-	-	591.1	-	-

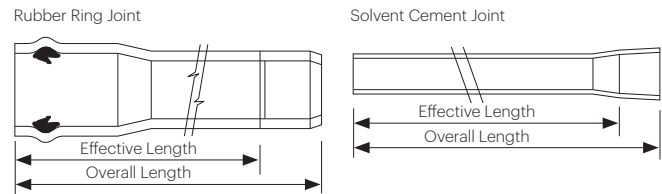
Minimum order quantities may apply

*These pipe sizes may be manufactured as either plain solid wall pipe or sandwich construction (SC) solid wall pipe

#This size not included in AS/NZS 1260 but has the mechanical performance capability of AS/NZS 1260

Design & Installation: NOVAKEY™ pipe should be installed in accordance with the following Standards:

- **General Installation:**
AS/NZS 2032, "Installation of PVC 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"



Installing DN100 NOVADRAIN™ pipe with coupling and inspection pipe fitting, Christchurch City.



Deep installation of NOVADRAIN™ DN300 SN4 at 4.8m cover under main road, Gisborne City.

Limitations: PVC Drain, Waste & Vent should not be used:

- With aromatic and chlorinated hydrocarbons, ketones, esters and ethers
- For pumped pressure applications
- At continuous service temperatures above 60°C or for intermittent discharges of liquid above 75°C
- Without adequate support to the pipe both in above ground and below ground applications
- Without adequate thrust support
- In below ground applications where depth of cover is less than:
 - 300mm where pipeline is not subject to vehicular loading
 - 450mm where pipeline is subject to vehicular loading not in roadway
 - 600mm where pipeline is subject to vehicular loading in sealed roadways
 - 750mm where pipeline is subject to vehicular loading in unsealed roadways
 - 750mm where pipeline is subject to construction equipment loadings
- When exposed to direct sunlight above ground for applications or storage exceeding 24 months without protection. This protection may include pale coloured UV resistant paint systems, non-exposed location or physical shading