

Iplex NOVADRAIN® Drain Waste and Vent Pipes & Fittings for Gravity Sewer & Drain

(NON-PRESSURE APPLICATIONS ONLY)

Compliance: Iplex 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, and Watermark 74530.)

Iplex NOVADRAIN® 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 or 1500 Series

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

Joining: Solvent cement joints are available in size DN 32 - DN 80, DN100 SN6 and DN150 SN4. Rubber ring joints are available in sizes DN100 - 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 32 - DN 150 Suitable for SN16 application
- Rubber Ring Joint (Coded '1500' Series) Injection Moulded fittings DN 100 - DN 150 Suitable for SN16 application

Iplex NOVADRAIN® Pipe Dimensions						
Stiffness Classes		SN4	SN6	SN8	SN10	SN16
Nominal Size DN	Mean O.D. (mm)	Mean I.D. mm (min)				
32#	36	-	-	-	-	32.5#
40#	43	-	-	-	-	38.9#
50#	56	-	-	-	-	51.4#
65#	69	-	-	-	-	63.5#
80#	82	-	-	-	-	76.7#
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
600	630.5	-	-	591.1	-	-

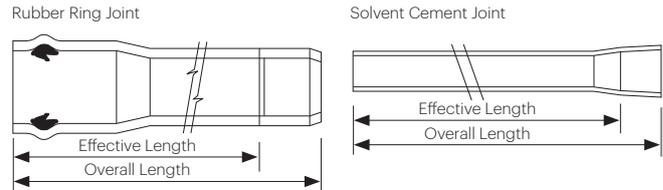
Minimum order quantities may apply

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

#This size does not have an SN class specified in AS/NZS 1260 but has the mechanical performance capability of AS/NZS 1260 SN 16

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 Iplex NOVADRAIN® pipe with coupling and inspection pipe fitting, Christchurch City.



Deep installation of Iplex 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 any 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
- 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 DWV applications or storage exceeding 24 months without protection. This protection may include pale coloured UV resistant paint systems, non-exposed location or physical shading