

# SUPERSTORM™ PVC-U

## Roading Pipe for Stormwater and Road Culverts

**(NON-PRESSURE APPLICATIONS ONLY)**

**Compliance:** Manufactured in accordance with AS/NZS 1254 PVC pipes and fittings for stormwater and surface water applications. Complies with NZTA (TRANSIT NZ) Specification TNZ F/3: 2010 “Specification for pipe culvert construction”.

Iplex PVC-U stormwater pipes are independently certified in accordance with the test requirements of AS/NZ 1254 Standards Mark Licence number SMK20126 and SMK20180.

**Product Code:** 700 Series

**Joining:** SUPERSTORM™ pipes are supplied socketed one end, suitable for solvent weld (DN 225) or rubber ring joints (DN 225 - DN 600).

**Applications:**

- Stormwater culverts used in roads including connections to intakes and outlet structures, aprons, head-walls and wing-walls
- Stormwater laterals
- Stormwater mains
- Stormwater access culverts used adjacent to the road carriageway under access ways

**Design & Installation:** SUPERSTORM™ pipe should be designed and installed in accordance with the following Standards:

- **General Installation:**  
NZTA (TRANSIT NZ) Specification TNZ F/3: 2010 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”

**Limitations:** PVC Stormwater pipes 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

SUPERSTORM™ Pipe Dimensions			
	Stiffness Class	SN4	
Nominal Size DN	Mean O.D. (mm)	Mean Wall (mm)	Mean I.D.
225	250.4	6.5	237.4
300	315.4	8.2	299.0
375	400.5	10.3	379.9
475	500.5	12.7	475.1
500*	560.3	-	524.6
600*	630.5	-	591.4

Minimum order quantities may apply  
 \*This size not included in AS/NZS 1254 but is fully mechanically compliant with AS/NZS 1254  
 #This size is SN8



DN300 PVC-U stormwater pipe used as a road access culvert. (Left) Immediately after installation and (right) 4 years later, showing the effectiveness of well placed and thoroughly compacted bedding and surround aggregate material, SH1, Waianakarua, near Oamaru.



DN300 SN4 SUPERSTORM™ road sump lead pipe, and discharge pipe to wing wall. SH1 McKays to Peka Peka Expressway, Kapiti Coast.



DN600 PVC-U stormwater pipe, showing a deep installation with correct mechanical side compaction of bedding and surround materials in layers, Edendale, Southland.



DN600 PVC-U stormwater pipe, showing correct lifting with nylon strap and dunnage protection under pipes on the road. Edendale, Southland.