

Ultra-X2™ LARGE DIAMETER PVC PROFILE PIPE

NEW PRODUCT SHOWCASE

Introducing Ultra-X2, 750mm and 900mm PVC Profile Pipe

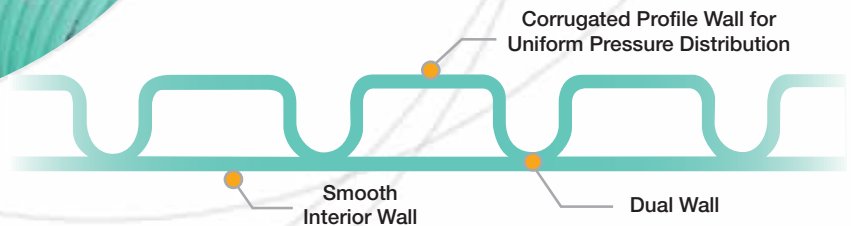
The need for tight joints and reliable structural performance in storm water systems was one of the driving forces in the development of PVC profile pipe. As a result, IPEX's Ultra Rib has become the standard for storm water systems up to 600mm due to its ease of installation, reliable performance and resistance to corrosion and abrasion.

Now IPEX is introducing Ultra-X2: a new dual wall PVC profile pipe that takes the benefits of PVC profile pipe up to 900mm.



FEATURES & BENEFITS:

- Tight Joints
- Ease of Installation
- Resistance to Corrosion/Abrasion



Features and Benefits

Ultra-X2 is manufactured in 750mm and 900mm sizes, meets ASTM F794 standards and is certified to CSA B182.4. It has a minimum ring stiffness of 320 kPa (46 psi) when tested in accordance with ASTM D2412. Its smooth interior surface means that an "n" value of 0.009 can be used with hydraulic calculations using the Manning Formula.

Ultra-X2 has extremely tight joints. Even though it is designed as a non-pressure drainage pipe, its joints can withstand a hydrostatic pressure of 15 psi. This allows it to perform even in the toughest conditions – surcharged sewers or high groundwater conditions.

Applications

- Storm drainage
- Sanitary drainage
- Highway and culvert
- Gravity industrial lines

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Percent (%) Deflection of Ultra-X2

SPD	Soil Stiffness E'	Depth of Cover, metres (feet)									
		0.3 (1.0)	1 (3.3)	2 (6.6)	3 (9.8)	4 (13.1)	6 (19.7)	8 (26.2)	10 (32.8)	12 (39.4)	15 (49.2)
< 85% slight	4 800 kPa (700 psi)	2.7	1.3	1.4	1.7	2.2	3.3	4.4	5.5	6.6	8.3
85-95% moderate	7 000 kPa (1 000 psi)	2.0	1.0	1.0	1.2	1.6	2.4	3.2	4.0	4.8	6.0
> 95% high	14 000 kPa (2 000 psi)	1.0	0.5	0.5	0.6	0.8	1.3	1.7	2.1	2.5	3.2

The above tables express the long-term deflections for Ultra-X2, derived by the formulas in the example calculation. Calculations are based on a soil unit weight of 18 640 N/m³ (120 lbs./ft.³). Minimum pipe stiffnesses of Ultra-X2 is 320 kPa (46 psi). Deflection values shown include the effects of H2O live loading.

Ultra-X2 Dimensions

Nominal Pipe Size	OD	ID	Crest Wall Thickness	Liner Wall Thickness	Insertion Force
750	816.6	749.2	3.7	5.6	985 lbf
900	984.6	901.4	3.3	4.6	1000 lbf

All dimensions in millimetres unless otherwise noted. For inches, divide mm by 25.4.

