

# MUNICIPAL GASKETED SEWER PIPING SYSTEMS

## IPEX Ring-Tite™ & Enviro-Tite™ Piping Systems

PVC Sewer Piping Systems manufactured to  
CSA and ASTM standards

**IPEX Ring-Tite Pipe and Fittings**  
(100 mm – 1050 mm) (4" – 42")  
CSA B182.2, ASTM F3034, F679

**IPEX Enviro-Tite Pipe**  
(100 mm – 375 mm) (4" – 15")  
CSA B182.7, ASTM F1760

Designed for various municipal applications, IPEX Ring-Tite and Enviro-Tite systems provide advanced protection from cracking, leaking, corrosion and other threats that can compromise the integrity of municipal sewer systems.

IPEX municipal sewer piping systems are made with a high-strength, high-impact PVC compound. More specifically, an innovative co-extrusion process is used for the production of Enviro-Tite, allowing for 50% use of reprocessed PVC while increasing product performance. The combination of reprocessed materials and superior performance truly distinguishes Enviro-Tite as one of the most environmentally friendly sewer pipes available.

Ring-Tite fittings are made from superior quality PVC and are injection molded or fabricated using the most advanced technology available and are as solid and reliable as our PVC pipe.

Proven in tough North American climates for over 50 years, IPEX PVC pipe and fittings systems have an established track record of performance.

### Key features include:

**Corrosion-proof Performance:** IPEX Ring-Tite and Enviro-Tite systems are immune to corrosion from aggressive soils and galvanic action. In addition, H<sub>2</sub>S and other aggressive chemicals common in sanitary sewage have no effect.

**Tight Joints & Lower Treatment Costs:** Eliminate infiltration and exfiltration. Ring-Tite and Enviro-Tite's joints easily outperform concrete and corrugated PE joints.

**Third-party certification:** IPEX Ring-Tite systems are certified to CSA B182.2, while Enviro-Tite is certified to CSA B182.7. Third party certification is your verification that the product will perform as stated.



**Ring-Tite™**

**Enviro-Tite™**



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**High flow capacity:** IPEX's PVC pipe and fittings are manufactured with smooth inner walls and provide systems with a Manning coefficient of 0.009, allowing for use of smaller diameters of pipe when compared to rough walled pipe.

**Ring-Tite & Enviro-Tite Dimensions**

	Nominal Size		Average I.D.		Min Wall Thickness		Average O.D.	
	in	mm	in	mm	in	mm	in	mm
SDR35	4	100	3.97	100.94	0.12	3.06	4.21	107.06
	5	135	5.32	135.08	0.16	4.09	5.64	143.26
	6	150	5.92	150.29	0.18	4.55	6.28	159.39
	8	200	7.92	201.16	0.24	6.10	8.40	213.36
	10	250	9.90	251.46	0.30	7.62	10.50	266.70
	12	300	11.79	299.36	0.36	9.07	12.50	317.50
	15	375	14.43	366.42	0.44	11.10	15.30	388.62
	18	450	17.63	447.87	0.53	13.57	18.70	475.01
	21	525	20.79	527.99	0.63	16.00	22.05	559.99
	24	600	23.39	594.00	0.71	18.00	24.80	630.00
	27	675	26.36	669.42	0.80	20.29	27.95	710.00
	30	750	30.17	766.36	0.91	23.22	32.00	812.80
36	900	36.11	917.22	1.09	27.79	38.30	972.80	
42	1050	41.95	1065.72	1.27	32.29	44.50	1130.30	
SDR28	4	100	3.91	99.42	0.15	3.82	4.21	107.06
	5	135	5.24	133.02	0.20	5.12	5.64	143.26
	6	150	5.83	148.01	0.22	5.69	6.28	159.39

**(%) Deflection of Ring-Tite & Enviro-Tite (SDR 35 pipe)**

ASTM Embedment Material Classification	Manufactured Granular Angular CLASS I	Clean Sand & Gravel		Sand & Gravel with Fines		Silt & Clay	
		CLASS II	CLASS III	CLASS III	CLASS IV		
DENSITY (PROCTOR) AASHTO T-99	90%	90%	80%	90%	85%	85%	
E' kPa (psi)	20 700 (3,000)	13 800 (2,000)	7 000 (1,000)	7 000 (1,000)	3 500 (500)	2 760 (400)	
Height of Cover	1 m	0.3	0.5	1.0	1.0	1.7	2.1
	3.3 ft	0.4	0.5	1.0	1.0	1.8	2.2
	2	0.4	0.6	1.2	1.2	2.2	2.6
	3	0.6	0.8	1.6	1.6	2.9	3.5
	4	0.7	1.1	2.0	2.0	3.7	4.4
	5	0.9	1.3	2.4	2.4	4.4	5.3
	6	1.0	1.5	2.8	2.8	5.1	6.1
	7	1.2	1.7	3.2	3.2	5.9	7.0
	8	1.3	1.9	3.6	3.6	6.6	7.9
	9	1.4	2.1	4.0	4.0	7.3	8.8
	10	2.2	3.2	6.0	6.0	11.0	13.1
	15						

○ Not recommended

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