Easier to use. Faster to Install. Better for business.

Spirolite™ is the leading technology in large diameter thermoplastic pipes that offers flexible, leak-free, lightweight, weather and corrosion-resistant pipes.

It is the preferred replacement for traditional piping materials since it is more resistant to corrosion. A unique manufacturing process makes Spirolite™ the only high-density polyethylene system in North America that offers a cost competitive alternative to traditional piping systems for gravity, sanitary sewer, water transmission and industrial waste applications, relining, odor control and flume lining.

Additional Applications for Spirolite™ include:

Water Conveyance Systems, Sanitary Sewer and Stormwater

Contractors have found that they can install up to 20-30% more Spirolite™ pipe-per-day than a similar size pipe made from traditional materials. Spirolite™ is manufactured from HDPE designed for engineered piping applications. The resin selected for Spirolite™ offers the optimum combination of strength, stiffness, toughness and long-term reliability.

Relining of Existing Infrastructure

Our Spirolite™ relining process is a revolutionary solution to fixing or replacing existing infrastructure. Using either Spirolite or Spirolite EF, our relining process works for a number of damaged piping materials including concrete, fiberglass, clay, steel and more. And the best part, you don't have to excavate the failed pipe - allowing you to save time and money.

Manholes/ Lift Stations

Spirolite™ buried manholes, fittings, tanks, and structures can be produced in a wide variety of configurations to meet your specific system requirements. One-piece design with through pipe, benching and bends built-in offer smooth, uninterrupted flow characteristics and quick trouble-free installation. Flat tops and stub-out closure joints that allow for field adjustment make it easy to meet stationing and grade requirements.

Tanks

Spirolite™ tanks offer the perfect combination of extra high strength and affordability. Our tanks are made from high-density, high-molecular weight polyethylene (HDPE) using a resin tailored to produce tanks that are tough, strong, and reliable. Heat fusion techniques create homogeneous bonds that are permanent, reliable and completely leak proof. Spirolite™ tanks are practically indestructible.

Odor Control for Landfill Applications

Spirolite®'s unique manufacturing processes is the only HDPE system in the United States that truly offers an engineered cost competitive alternative to traditional piping systems in applications of gravity and low-pressure sanitary sewer systems, odor control ductwork, as well as industrial waste applications.

Spirolite™ pipe also meets the requirements of ASTM F-894 that can function under a wide temperature range and is designed for easy assembly.

Spirolite vs. Other Pipe Materials

	Spirolite	Corrugated Metal	Concrete	Fiberglass	Clay
Lightweight Typical Weight per foot of 36" pipe (lbs)	30	45	565	88	425
Abrasion Resistant (Darmstadt Procedure 400,000 Cycles)	0.01"	0.05"	0.06" @ 150,000 cycles (max)	0.05"	0.03"
Allowed Deflection Before Failure	20%+	Less than 2%	~0	Long term is 5% or less.	¼"/FT
Minimum Design Life Span (years)	100	35	70-100	50	50
Min No. of Joints Per 100 Feet of Pipe	5	2	13	5	10
Friction/Smoothness (N factor)	0.009	0.022	0.013	0.010	0.014
Withstands PH level	1.5 to 14	5 to 8	4.5 – 6.5	7 to 11 (optimally) down to 2 is possible	1 to 14

Size Range

Unlike many conventionally extruded thermoplastic pipes, where inside diameter is decreased as the wall is made thicker, all Spirolite™ pipe is manufactured to constant internal diameters. Standard Spirolite™ sizes are available from 18” to 120”. Additional sizes available upon request.

Profile Wall Concept

Spirolite™ is manufactured through an exclusive process by which a profile extrusion is continuously wound upon a mandrel. This innovative wall construction takes advantage of geometrically efficient profiles to minimize pipe weight while maximizing the stiffness to weight ratio. Each size of Spirolite™ pipe is available in several standard classes, allowing the engineer to choose the profile or class which is the most economical for their specific application. The Spirolite™ pipe profile concept has been proven by more than 35 years of successful experience in the western hemisphere.

Features

Many contractors have found they can install 25% - 35% more Spirolite™ pipe per day than a similar size pipe made from traditional materials.

Spirolite's™ Lightweight pipe offers the ease of long length, bell and spigot joint design, exceeding ASTM D-3212, that reduces installation time and the corrosion resistance of polyethylene to assure long-term, trouble-free service. Spirolite™ pipe meets the requirements of ASTM F-894.

Spirolite is fabricated from high-density polyethylene which is ideal for a number of engineered piping applications. The resin selected for Spirolite™ offers the optimum combination of strength, stiffness, toughness and long-term reliability.

Some Satisfied Partners

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