Spirolite | engineered to succeed



Save time. Save Money. Reline with Spirolite!

Relining with Spirolite HDPE pipe is a revolutionary and innovative solution! Rather than repairing or replacing damaged or failing pipes, relining with Spirolite offers a permanent solution that will extend the life of the failing pipeline for 100+ years. And the best part is you don't have to excavate the failing pipeline, which often includes blocking or rerouting traffic. This allows you to save precious time and money.

Pipe Class

Because of Plasson USA's exclusive and unique manufacturing process, Spirolite pipe walls are both strong and lightweight. Spirolite only uses the highest quality pressure-grade HDPE resin (PE 4710) which offers superior strength, incredible flexibility, and unmatched resistance to corrosion. Our engineered wall profiles maximize the pipe's strength-to-weight ratio, offering several degrees of ring stiffness per ASTM F-894. This also means significant cost savings. Which RSC class to use on your project can be determined based on your specific design parameters. Whether it's under a busy highway, or in areas of anticipated soil settlement, or highly corrosive environments, Spirolite is built to offer superior long-lasting performance.

Spirolite Joints

At Plasson USA, we believe that a pipe is only as good as its joints! So we manufacture Spirolite's joints to be extremely robust, made to very tight tolerances, and ultimately leak-free. Whether you're using our tried and true Spirolite pipe with gasketed bell and spigot joints, or our high-performance Spirolite EF which fuses the pipe ends together, you can count on tight, leak-free joints. Spirolite is designed to excel in a world under pressure!

When relining a deteriorating pipeline, the new liner pipe needs to offer superior flow characteristics since it is always smaller than the original host pipe. With a Mannings N of .009, Spirolite offers superior flow even with a substantially smaller pipe ID. This makes it the ideal choice when compared to other types of liners. Plus, Spirolite's hydraulic performance doesn't change or deteriorate as the pipe ages, as is common in other types of pipe.

Flow Comparison, Spirolite vs. Corrugated Metal (CMP)			
Туре	Spirolite	Metal (New)	Metal (Old)
Manning's N	0.009	0.012	0.024
Slope (1/1700)	0.01%	0.01%	0.01%
Inner Diameter (in)	120	120	120
Flow Rate (gpm)	107,046.76	80,285.07	40,142.53
Comparison	-	75%	38%
Pipe ID for equal flow	120	133.67	173.35



800-241-4175 www.PlassonUSA.com





ENGINEERED TO SUCCEED



EXCELS IN A WORLD UNDER PRESSURE

Relining with Spirolite:

- Available in sizes from 18" 120"
- Lightweight, yet incredibly strong
- Long-lasting
- Easy to install
 - *Spirolite EF

- Leak-free joints
- Cost-efficient to install
- Withstands operating pressure up to 50 psi*



Grouting Spirolite Pipe in Casings and Tunnels

Spirolite is much more rigid than other types of liners. The proper pipe class for a grouted reline application will depend on the specific project details including depth of cover, traffic load, and total length of the pipeline. Grouting pressures need to be taken into consideration so as to not damage the pipe, and pumping/pouring the grout in lifts is often recommended. Once properly grouted, Spirolite is designed to provide a permanent, leak-free, solution that will far outlast the original pipe design!





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