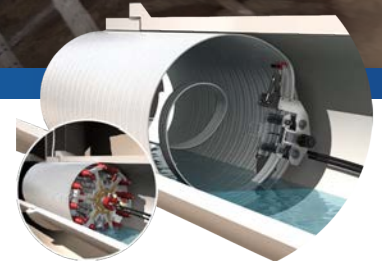


SPIRALLY WOUND PIPE LINING



Spirally wound pipe lining is a trenchless method of rehabilitating damaged or deteriorating pipelines, such as sewer or stormwater systems, using a spirally wound pipe liner. [Here's a general overview of the process:](#)

PREPARATION: The existing pipeline must first be inspected to assess the extent of the damage and determine whether it is suitable for spirally wound pipe lining. The pipeline is then cleaned and prepared by removing any debris, roots, or other obstructions.

FABRICATION: The spirally wound pipe liner is fabricated offsite, typically using a machine that winds a continuous strip of high-density polyethylene (HDPE) or other suitable material into flat profile that is designed for the particular structural strength required for the project.

INSTALLATION: The spirally wound pipe liner is then transported to the job site and inserted into the existing pipeline using a specialized and proprietary machine. As the liner is inserted, it is unrolled and spirally wound into place, conforming to the shape of the existing pipeline. As the flat profile is wound into the correct diameter and shape of the pipeline it is simultaneously jointed with both a mechanical joint and a chemical weld to ensure strength and integrity of the joint and creates a strong and durable liner that conforms to the shape of the existing pipeline and provides a smooth, corrosion-resistant surface.

GROUTING: Once the liner is in place, should an annulus have been left between the inserted liner and the host pipe, any void is then grouted with structural or non-structural grout as may be required by the design.

INSPECTION: Once the liner has cured, it is inspected to ensure that it meets the required standards for strength and durability. This may involve the use of visual or non-destructive testing methods to detect any potential issues with the liner.

Spirally wound pipe lining offers a number of benefits over traditional pipeline repair methods, including reduced disruption to the surrounding area, faster installation times, and improved resistance to corrosion and wear. It is also a cost-effective solution for rehabilitating damaged or deteriorating pipelines, as it eliminates the need for costly excavation and replacement. Additionally, spirally wound pipe liners can be customized to fit a wide range of pipeline sizes and shapes, making it a versatile solution for a variety of applications of the pipeline.

Requirement	Existing Service Rehabilitation & Repair
Specialist Service Offering	Spirally Wound Pipe Lining
Miscellaneous Civil Works	
Foul Sewer / Stormwater / Sleeve	✓
Water / Gas	
Size Limitations	450mm - 2000mm

