

Upgraded version of Nordic spiral wound tubing

Article Overview

The upgraded Nordic spiral wound tubing, exemplified by the NORDILOC(TM) S and NORDILINER systems, offers enhanced structural strength, fiber reinforcement, and flexible installation for diameters up to 3000 mm.

Key Features and Improvements

NORDILOC(TM) S is a spirally wound PVC lining system designed for gravity pipes, featuring a tubular configuration with hot melt seam sealant and optional steel reinforcement. It allows precise wall thicknesses (e.g., 0.7 mm and above) and ensures high-quality performance through strict quality control procedures. This system improves durability, chemical resistance, and installation reliability compared to earlier spiral wound tubing. NORDILINER is a Pull-In-Place-Pipe (PIPP) system suitable for diameters from DN 50 to 1200 mm. It is structurally self-supporting, eliminating the need for bonding to the host pipe. The liner is fiber-reinforced with a three-layer composition:

- o Outer Layer: Polyethylene, thermoplastic polyurethane, or other elastomers for protection and dimensional stability.
- o Middle Layer: Seamless fiber reinforcement providing high resistance to internal pressure.
- o Inner Layer: Coating with excellent chemical, thermal, and mechanical resistance.

Advantages Over Previous Versions

- o Enhanced Strength and Flexibility: Fiber reinforcement and multi-layer design allow the liner to withstand high internal pressures while remaining flexible for installation.
- o Simplified Installation: Folded and winched into existing pipelines, the liner inflates with compressed air or fluid pressure, avoiding time-consuming curing processes typical of CIPP systems.
- o Wide Application Range: Approved for potable water, industrial water, sewer, and bypass applications.
- o Customizable Diameters: NORDILOC covers gravity pipes from 800 to 3000 mm, while NORDILINER handles smaller diameters from 50 to 1200 mm, providing a "one-stop" solution for pipe rehabilitation.

Technical Enhancements

- o Material Quality: Use of high-end lining materials and elastomers ensures chemical and temperature resistance.
- o Precision Manufacturing: Spiral winding allows controlled wall thickness and consistent tubular geometry.
- o Accessories and Support: Telemetric systems and specialized tools enhance installation accuracy and monitoring. The upgraded Nordic spiral wound tubing systems combine mechanical robustness, chemical

Upgraded version of Nordic spiral wound tubing

resistance, and installation efficiency, making them suitable for modern trenchless pipe rehabilitation projects across a wide range of diameters and applications.

The spiral-wound process creates a tube that has a phenomenally stronger resistance to crushing, disfiguring, and

Spiral welded tube is created using a process where a continuous full penetration MIG (metal inert gas) weld overlay is used to

Nordpipe, a Cured-in-Place-Pipe, was developed for the trenchless rehabilitation of drinking water and service pipes up to 1,400 mm

Electrolock is the custom designer of spiral wound tubing. Electrolock understands that your company's

Applications of the insulating sleeves The spiral wound foils are generally used for the

Alpha Wire's SW series spiral wrap tubing is flexible and simple to apply for wire harness breakouts and cable

We produce helically wound tubes as semi-finished product for the production of storage tanks or chemical apparatus. Different wall

NordiTube is not only the technology provider for CIPP products, but also for special spiral wound pipe systems that

The spiral-wound new pipe is designed as a self-supporting structure and, depending on the system, installed either without an

Every year our 11 companies, spread across 10 countries, produce some 140,000 tonnes of cardboard tubes, cores and edge

Spiral wound tubing materials provide versatility in crafting insulation solutions across many industries. Learn about Electrolock's

Choose from our selection of spiral tubing, including spiral sleeving, chemical-resistant spiral sleeving, and more. Same and Next

We make both spiral-wound paper and plastics solutions. Paper tubing - Our spiral-wound paper tubes come

Upgraded version of Nordic spiral wound tubing

in a

Spiral Wound is a trenchless pipe lining method for sewers, storm drains and culverts. Our pipe liners provide fully structural

Protective Tubing and Spiral Binding Protective tubing refers to a flexible tubular wrap used to encase and shield individual cables or

Spiral-wound insulating tubes engineered for easy insertion, secure retention, compact profiles, tight

Web: <https://www.morwarreconst.co.za>

