SPR™

Trenchless rehabilitation for large diameter, circular & non-circular pipelines

Benefits of SPR™ at a glance

- Diameters from 32" - 217"
- Renews circular, non-circular & custom shapes
- Negotiates curves or bends
- Structural liner
- Suitable for gravity flow sanitary sewer, stormwater & culvert applications
- Meets or exceeds ASTM F1741 standards

PRODUCT DESCRIPTION

The SPR™ Spiral Wound process is a trenchless rehabilitation solution for restoring the hydraulic efficiency, reliability and integrity of aging sewers, storm drains and culverts.

The process consists of a single strip of PVC profile which is progressively wound into the host pipe through an existing manhole or access chamber. The SPR™ winding equipment, which traverses the length of the pipe, is located at the base of the access chamber. A spool above ground then feeds PVC profile into the winding machine where the liner is wound inside the host pipe at a smaller diameter. The annular space between the host pipe wall and the liner is grouted to ensure structural stability.

SPIRAL WOUND TECHNOLOGY

Spiral Wound products are innovative technologies for rehabilitating pipelines without digging. SEKISUI SPR offers 3 different Spiral Wound solutions based upon your application.
After the winding is finished the liner is grouted in place with cementitious grout to fill any annular space. Internal bracing is installed after the winding machine is removed to assist the liner in the grouting process.

**SPR™** offers a wide range of standard profiles with optional steel reinforcement that can meet specific design requirements. **SPR™** Spiral Wound liners have extensive third party test data and meet stringent industry product performance standards.

**SPR™** profile is made from pipe grade PVC similar to those used for new sewer and drainage pipe construction.

**INNOVATIVE INSTALLATIONS**

- PVC profile is fed through a manhole or existing access chamber using an above ground spool into the host pipe. The existing access chambers are the only entry points needed.
- Inside the deteriorated host pipe the **SPR™** winding machine forms the liner as it moves down the pipeline. The plastic profile is spirally wound via this patented winding machine at a diameter smaller than the host pipe.
- The PVC profile is interlocked during winding to secure and completely form the liner.
- After the winding is finished the liner is grouted in place with cementitious grout to fill any annular space. Internal bracing is installed after the winding machine is removed to assist the liner in the grouting process.

**Benefits of SPR™ installation**
- Structural liner - utilizes structural or non-structural grout
- Truly trenchless - requires only standard manhole or existing access point entry
- Little to no bypass - can operate with some flow in existing pipe
- Small construction footprint
- Over one million feet successfully installed worldwide

**PROVEN DESIGN & MATERIAL**

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