**SPR™ Spiral Wound Pipe Liners**

**32” - 200”+ Pipeline Rehabilitation**

- Gravity Flow Sanitary Sewer, Stormwater & Culvert Renewal
- Renews Circular, Non-Circular & Custom Shapes
- Negotiates Curves or Bends
- Fully Structural Liner
- ASTM F1741-18 & ASTM F1697-18 Standards

**Technology Overview**

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 traverses the length of the pipeline while constructing the liner. A spool above ground 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 liner is grouted to ensure structural stability.

**Spiral Wound Liners**

Spiral Wound Liners are innovative trenchless technologies for rehabilitating pipelines. SEKISUI SPR offers 3 different Spiral Wound solutions based upon your application.

**SPR™EX**
- 6” - 42”
- Tight fit
- Circular shapes

**SPR™TF**
- 40” - 60”
- Tight fit
- Circular shapes

**SPR™**
- 32” - 200”+
- Grouted in place
- Circular/non-circular

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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.

Installation Benefits

- Truly Trenchless: Requires only standard manhole or existing access point entry
- Little to no Bypass: Can operate with some flow in existing pipe
- Mechanical Process: Styrene & VOC free
- Small Construction Footprint: Limited site setup

Installation Process

**Above Ground**
The PVC profile strip 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.

**Water-Tight Seal**
The PVC profile is interlocked during winding to secure and completely form the liner.

**Grouting Process**
Once winding is finished, the liner is grouted in place to fill any annular space. The grout is either structural/non-structural depending on the project scope.

** Traverse Winding**
Inside the deteriorated host pipe the SPR™ winding machine forms the liner as it moves down the pipeline. The profile strip is spirally wound at a fixed diameter smaller than the host pipe.

See the Spiral Wound Process