



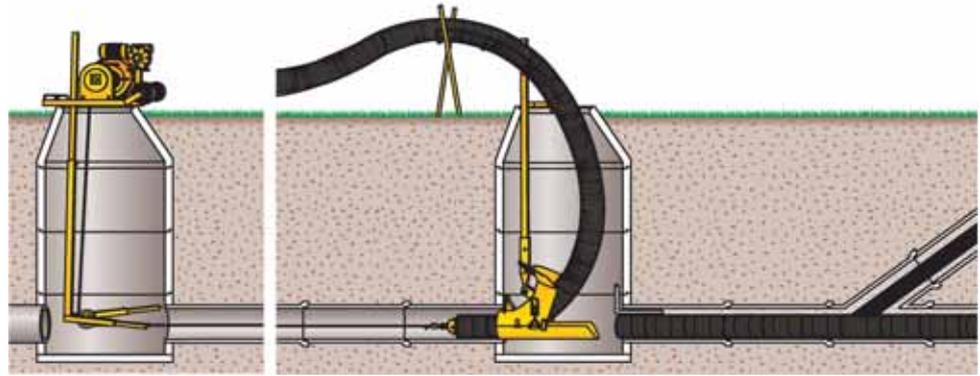
Nordic Renovation Group

■ Flexoren® sliplining



Flexoren® sliplining

A cost-effective sewer renovation alternative



Flexoren system is a renovation method intended for sewer relining. Welded together to cover the entire manhole distance, the Flexoren pipes are inserted in the existing sewer through manholes. The task can be performed principally above the ground with no environmental impact. Flexoren is quick to install and it is the most cost-effective alternative, especially in cases where the line to be renovated is long. Flexoren is also excellent for pipelines with bends.

■ Range

The Flexoren method is excellent for renovating gravity sewers with a 100-300 mm diameter. The inside diameter of the existing sewer is reduced, but this is often compensated for by the improved flow properties and the high rate of automatic cleaning. Due to its hard-wearing material, a pipe system renovated with the Flexoren method will last for generations. In addition, the method considerably increases the structural hardness of the pipeline.

■ Flexoren® benefits:

- **No-dig relining through manholes**
- **Strong structure**
- **Excellent flow properties**
- **The size range of the system includes the most common pipe sizes**
- **Very quick installation**
- **Close-fit, continuous pipe welded together to cover the entire manhole distance**
- **The sewer can be used during relining**

Leak-free and jointless pipeline with one pull

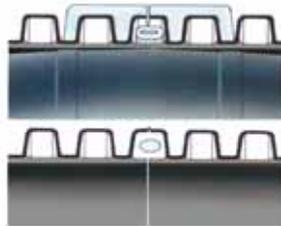
■ The Flexoren® pipe

The Flexoren pipe is a pipe specifically designed for relining. Corrugated on the outside and smooth on the inside, the double-wall pipe bends lengthways but remains rigid in diameter. In addition, the surface of the flow pipe is coated with a thin HDPE skin to provide excellent flow properties. The ring stiffness category of the pipe is 8kN/m² (SN8, DN 270 is SN4). The pipe lengths are welded together with specially developed PEX welding ring.



■ A lasting, continuous pipe

Flexoren pipes are connected to form a continuous pipe by using a specific welding method based on PEX-technology. The joint is equally resistant to traction and pressure as the actual pipe.



■ Excellent abrasion resistance and flow properties

The pipe material is extremely resistant to mechanical abrasion. Due to abrasion resistance, the flow properties also remain excellent throughout the entire service life of the pipe.

■ For renovating household connections

The Flexoren pipe can also be used to renovate the pipe systems between household premises and the main sewer.

■ Pipe sizes

Sewer to be relined	Flexoren pipe (d _e /d _i)
100 mm	90/80 mm
125 mm	117/102 mm
150 mm	140/123 mm
200 mm	175/152 mm
225 mm	200/173 mm
250 mm	235/205 mm
300 mm	270/238 mm



