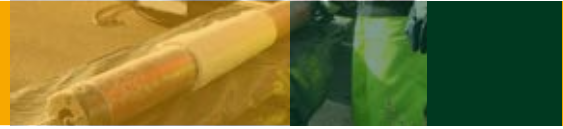


Systematic Pipe Rehabilitation



DS Short Liner



quick and efficient
stable



Damage before the rehabilitation



Damage rehabilitated with short liner



Inside view short liner plant



Camera monitoring short liner installation



Impregnation of the short liner

The product

The DS short or partial liner is a procedure for sewer repair and is especially appropriate for sealing and supporting the stability of sewer sections. The result of the rehabilitation with the short liner decisively depends on the pretreatment and the quality of the used materials. One preferably utilises support materials of FRP which are impregnated with a methacrylic resin and provide an installation which is safe and reliable.

The field of application

The procedure can be applied for defective sewers whether circular or egg-shaped in every current line material and cross section between DN 100 and DN 800. The defects to be rehabilitated are in particular cracks, shards, missing wall parts and leaky pipe joints.

The installation

As soon as the preparation and the cleaning of the place to be rehabilitated are done, the FRP support material is impregnated with methacrylic resin (MMA) and mounted on a packer. After the positioning (controlled by camera) of the packer at the damaged spot, the packer system is supplied with compressed air and expands to the size of the internal diameter of the

and safe



Short liner plant



Short liner is inserted



Packer with short liner laminate

The advantages

pipeline. The short liner is thus pressed against the wall of the old pipe and cures under constant pressure. At the end of the curing process the pressure of the packer is released, the packer system is withdrawn and removed from the pipeline. The damaged spot is rehabilitated and the finishing work can begin (opening the branch, camera documentation).

Especially the adhesion to wet surfaces is one great advantage of this system and the utilised materials. Moreover, the time to work the resin is quite long and takes more or less 25 minutes considering a curing time of approx. 40 minutes. Our D&S short liner also allows the rehabilitation of long sections, as a chemical amalgamation

of the short liners takes place during their overlapping. And in addition the product has a high resistance against a multitude of chemicals, acids, bases, oils, greases and detergents.



- BlueLine Procedure
- Burst Lining
- Cement Mortar Lining
- Compact Pipe
- CP-ZA 2012-Top-Hat Profile
- DS-CityLiner
- DS - Hose Relining
- DynTec (close-fit-lining)
- Flexoren Relining
- House and Industry Liner
- Installation Procedures/ Large Profile Rehabilitation
- KA-TE Robotics
- Manual Rehabilitation
- Partial In-Liner
- Pipe Relining (long pipe, short pipe and pipe run)
- Polyester Liner
- Superheated Steam Liner
- UV Liner
- and other procedures

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