

Systematic Pipe Rehabilitation



DS HOSE RELINING

The product

In the DS Hose Relining procedure a seamless, circular woven hose is inserted by inversion into the pipeline to be rehabilitated by means of compressed air and cemented to the internal wall of the old pipeline with a solvent-free two-component epoxy resin.

The field of application

The method is suitable for the rehabilitation of gas, water and wastewater pressure lines of steel, grey cast iron or ductile cast iron in a nominal diameter range from DN 100 to DN 1 000.



The liner is prepared on the conveyor belt for the filling with the two-component resin

Seamless and customised



The liner arrives at the pipe end



Finished liner after camera inspection



The DS Hose Relining liner DN 700 arrives at the pipe end

The installation

After the construction of the start and target pits and the shutdown, the rehabilitation section is pre-cleaned mechanically, if necessary, and/or prepared by cleaning it at a maximum water pressure; the internal pipe wall is inspected by the TV camera and the existing house service connections are cali-

brated. Then the hose is filled on the roller conveyor with a two-component epoxy resin and calibrated through a defined roller clearance into the inversion drum. At normal temperatures the processing time takes about 65 to 70 minutes. At the exit of the inversion drum the hose is reversed and inserted with

the resin-impregnated side now outside from the start pit into the pipeline to be rehabilitated. A device at the end of the pipeline prevents the hose from a speedy uncontrolled insertion into the target pit. Upon completion of the inversion process the hose must cure in its new environment.

The advantages

Low construction costs thanks to minimal civil engineering works and a short construction time as well as a construction progress without any considerable inconvenience to residents and road traffic.

- 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
- 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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