

STEAM GENERATORS

Case History Resin Curing for Road Storm Drainage Systems

Recently Tubepol rented a Clayton Steam Generator Model PVEOG60, for the renewal of pipe with sleeve for the storm drainage system on roads in Mexico. For this type of process, a ceramic sleeve is introduced into the pipe for the injection of high quality steam to make a chemical coating and through specific conditions of pressure and temperature power achieves the curing of this sleeve and thus be able to give more years of life to this pipe. For this it is required to inject steam with the quality that characterizes the Clayton Steam Generators, which due to its compact design is easy to transport to the site and be able to be moving it to the points where steam is required.



The sleeve jacketing system without sleeve works consists of the introduction by inversion of a sleeve impregnated with polyester or epoxy type resin inside the pipe by water or air pressure. Once the

sleeve is inserted, the curing process begins on site, which will result in a new pipe totally continuous and watertight.

This type of system is optimal for the rehabilitation of pipes and collectors of different lengths, shapes, diameters and materials, in both urban and industrial areas.

Social and environmental benefits of trenchless construction

Advanced
Steam
Technology
that Is Safe,
Efficient
and Reliable



Faced with the multiple problems that arise from the realization of a rehabilitation of pipes through a traditional work: traffic cuts, inconvenience to pedestrians, noise pollution and even cuts of basic supplies, the improvements introduced allow to minimize the works, without causing discomfort or cuts.

The traditional works suppose a real chaos since it is necessary to cut certain streets to the passage of cars and pedestrians. Citizens see their lives affected by the simple fact of having to rehabilitate a pipeline or pipeline. Constant noise, pollution, being late for work due to traffic problems, are some of the damages generated by this type of work that can last weeks and even months.

On the other hand, trenchless works, in addition to being faster and more effective, offer numerous environmental and social advantages. Insituform has three types of technology to rehabilitate pipes with sleeves: water, steam and ultraviolet.

Trenchless technologies are the best option that currently exists to renew water pipes in cities. The installation is carried out minimizing the disturbance to the environment, with an execution time in 24 hours and a minimum occupation of the road that allows to maintain the normal rhythm.



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