

VORTEX



VeriCure®
BY VORTEX

CIPP Liner Curing Monitoring System

VERICURE® CIPP CURING MONITORING SYSTEM

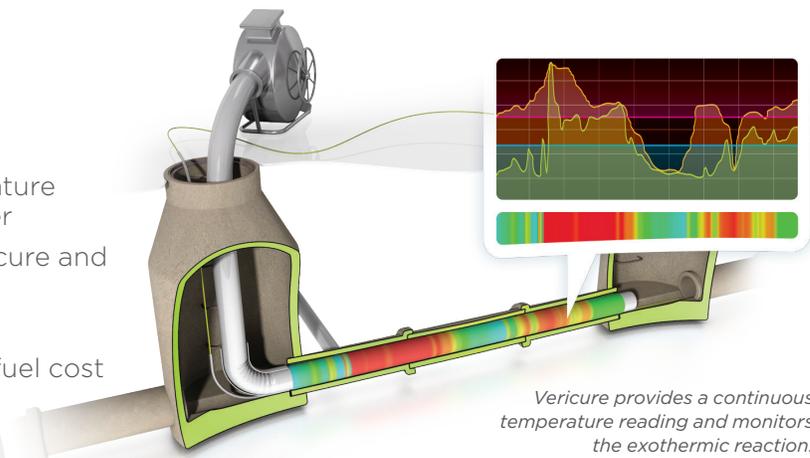
VeriCure® is a breakthrough technology developed to improve the CIPP curing process. Its ability to constantly monitor the temperature throughout the duration of the liner installation helps ensure a 360° cure throughout the length of the host pipe. The result is a fully rehabilitated, leak-free pipe, cured with confidence and verified with data.

A SIMPLE SOLUTION TO A COMPLEX PROBLEM

Easy to use, the VeriCure optical fiber cable runs along the invert of the host pipe and is activated once the CIPP liner has been inflated and the curing process begins. With the cable plugged into the control box, VeriCure's software captures and records the thermal temperature, incrementally, along the entire length of the liner. Regardless of existing flow, VeriCure provides highly accurate and localized temperature data; helping ensure every inch of liner is properly cured.

The VeriCure Advantage

- Optical fiber monitors temperature along entire length of CIPP liner
- VeriCure software verifies the cure and installation
- Achieve full cure in less time
- Reduce labor, equipment and fuel cost
- Comprehensive real-time and historical data



VeriCure provides a continuous temperature reading and monitors the exothermic reaction.

Cure With Confidence

Using the VeriCure® system with the CIPP lining process is simple while improving the quality and completeness of the installation.

1. Feed the fiber cable into the invert of the pipe
2. Insert and then invert CIPP liner into pipe
3. Enter project parameters into VeriCure software
4. Begin curing
5. Monitor temperature, run report for customer at completion

VeriCure software is tailored for CIPP installation professionals. Real-time data viewing allows you to control the cure for maximum quality and efficiency. VeriCure software also ensures that each zone has met and maintained the proper cure temperature and monitors cool down. The final data is summarized in a gradient chart to show temperature change over time.

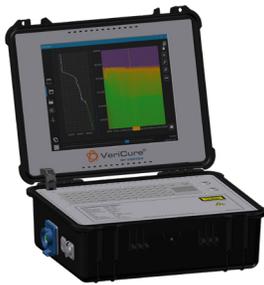
IMPROVED QUALITY CONTROL, ENVIRONMENTALLY FRIENDLY

VeriCure reduces the risk of lifts, delamination, over-tensioning and environmental contamination. Having the ability to constantly monitor temperature conditions means faster, more efficient installation, while eliminating the cost associated with over-cooking the liner. Not only does this save time, but it also reduces fuel cost and construction site emissions.

Portable VeriCure Box

Designed for durability and portability, the VeriCure Control System is housed in an industrial strength, protective pelican case for use in the field and on the job. Each system contains the following:

- Laser Control Unit
- VeriCure software package
- Fiberoptic sensor cable connector
- LAN socket
- Energy supply socket



VeriCure Fiber Cable

VeriCure optical fiber cable is delivered on 6,234 ft spools. Simply attach it to the VeriCure Control System Box and feed the other end into the invert of the pipe. Designed to be sacrificial, the cable remains in the pipe once the cure is complete, and is cut at both ends.



Reports & Analytics

VeriCure's powerful real-time reporting and analytics allow you to view detailed graphs to monitor temperature through the length of the entire line, for both steam and hot water curing applications, and ensures a 360° cure.

