

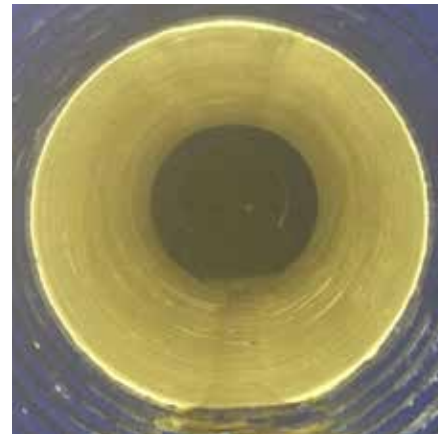
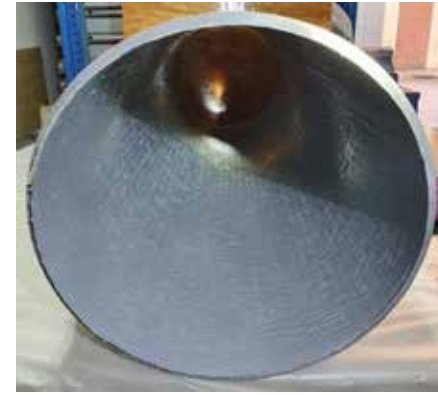


“ We are a research and development company, focused on bringing innovation to infrastructure ”

DYMAT® was founded in 2012 by Edward R. Fyfe to enhance the characteristics of materials and products through resilience, performance, and sustainability.

The inventor of the disc bearing and a prolific innovator of fiber-reinforced polymers, **Edward R. Fyfe**, has been innovating novel solutions for infrastructure for almost 40 years.

DYMAT® is the culmination of many companies and a vast network of experience, with one goal: **to develop dynamic materials and products to enhance structural performance.**



DYMAT
DYNAMIC MATERIALS

DYMALINE™ Pipe Retrofit System
a unique **DYMAT®** System



DYMAT
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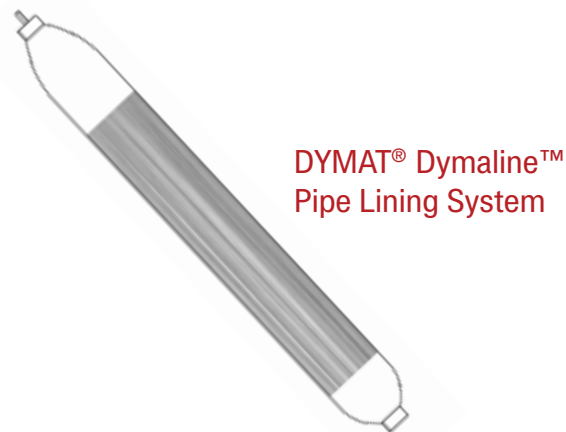
Concept of the DYMAT® Dymaline™ Pipe Lining System

Concrete Pipe Systems around the World begin to deteriorate as time passes. These pipes can now be relined in place by retrofitting with the Dymaline™ system. The DYMAT® Dymaline™ Pipe Lining System is installed without workers having to go into the pipe, working conditions that are difficult and inherently unsafe.

DYMAT®'s Dymaline™ method is to inflate a fabric tube inside the pipe to create a liner, without workers going inside the pipe. The fabric is very tightly woven and formed into a tube, then saturated with resin and inserted into the pipe. The tube is then inflated, the resin cures, and the system installation is complete. No bladder needs to be removed, since the system has incorporated the bladder into the liner.

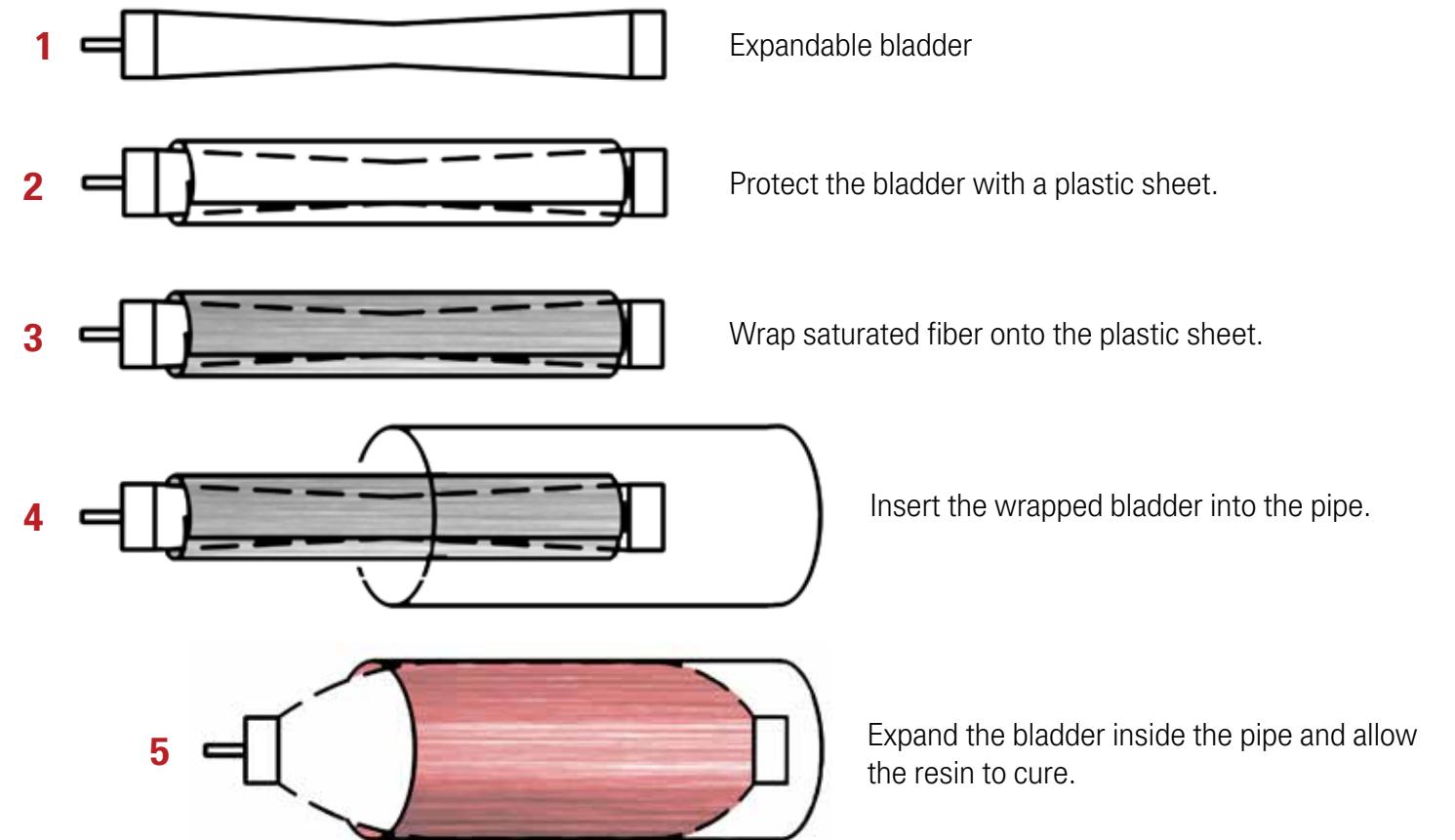
Features

- Used for round pipes of any diameter.
- Easy to install without workers going into the pipe.
- Repairs damage and reinforces at the same time.
- Includes a stay-in-place bladder that doesn't need to be removed.
- Uses tested fabrics and resins.
- A test report on a scaled pipe is available on request.



Application Method for the DYMAT® Dymaline™ Pipe Lining System

The Dymaline™ method of repairing a pipe uses a self-inflating fabric tube to create a liner inside the pipe. Especially tightly woven fabric is formed into a tube, saturated with resin, and inserted into the pipe. The tube is first inflated with air from a pressure source. It adheres to the interior pipe wall, and the resin cures. The bladder ends are then trimmed away. The process is repeated until all damaged parts of the pipe are lined. The cured liner not only fills cracks and spalled areas, but also resists further damage from impacts and abrasion.



Testing

- Tested on a PVC pipe.
- Special 12 oz / square yard tight-weave fabric is used.

Composite Test

- Information is available on request.
- The resin is an epoxy developed especially for the process.