

















# REINFORCEKIT® 1D

ISO 24.817 and **ASME PCC-2** compliant





REINFORCEKIT® 1D (R1D), is a water activated prepreg repair system wrapped around the pipe to protect and reinforce corroded pipe and restore original pipe integrity.



This composite technology, made of fiber glass and polyurethane resin, is a great alternative to metal clamp, welded sleeve and pipe replacement. 3X ENGINEERING (3X) developed its own software to design the repair and define the material requirements according to ISO 24.817 and ASME PCC-2 standards.

If applied as protection, the product is ready to use and does not require any calculations.

#### **REINFORCEKIT® 1D RANGE**

### **PROTECTION APPLICATION**



#### REINFORCEMENT APPLICATION



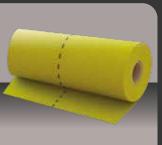
## **REINFORCEKIT® 1D MAIN FEATURES & BENEFITS**

- > Emergency Pipeline Repair System (EPRS)
- > Online repair (no loss of production)
- > Designed according to the standards (ISO 24.817 and ASME PCC-2 compliant) for reinforcement application
- > Suitable for any pipe geometries (straight, elbow, tee) including irregularities (welds ...), without pipe size limitation
- > User-friendly and time-saving (fiber already impregnated with resin, no mixing nor measuring)
- > Cost-effective (2 layers max for protection and 10 layers max for reinforcement)
- > Installation by trained and certified applicators recommended to increase product efficiency
- > Traceability using smart tag



#### REINFORCEKIT® 1D COMPONENTS









#### REINFORCEKIT® 1D IMPLEMENTATION









Ä ARTERIAL STREET



Filler and primer applications

R1D wrapping (spray water continuously)

Identification plate positioning

Compression film application and perforation

For reinforcement application, steps 1 to 6

For protection application, only steps 4-5-6











