

REINFORCEKIT® 1D



COMPOSITE REPAIR SOLUTION FOR PIPE PROTECTION & REINFORCEMENT



Any pipe diameters
Any pipe geometries
High pressure
-50°C to +88°C
-58°F to +190°F
Oil Gas Water

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 - Up to 88°C (190°F)

REINFORCEMENT APPLICATION - Up to 68°C (154°F)



application > R1D - 150mmx5m ONLY (6" x 16ft) R1D - 50mmx5m (2" x 16ft) > R1D - 150mmx15m (6" x 49ft) > R1D - 285mmx15m Plastic Spiked Water Filler Primer (11,2" x 49ft) roller spray wrap

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 IMPLEMENTATION

