

3X ENGINEERING

REINFORCEKiT® 1D

READY
TO-USE
PROTECTION
SYSTEM

ABRASION RESISTANT OVERCOAT (ARO) FOR PIPE PROTECTION



ONSHORE / OFFSHORE

- Any pipe diameters
- Any pipe geometries
- 50°C to +150°C
- 58°F to +302°F
- Oil Gas Water

REINFORCEKit® 1D (R1D), is a water activated prepreg protective system wrapped around the pipe.

This technology is a composite Abrasion Resistant Overcoat (ARO) made of fiberglass tape and polyurethane resin. It will minimize the need for costly repairs and provide a strong protection for pipeline coating against impacts, abrasion and external corrosion.

It can be applied directly over existing pipe coating, requiring no calculations and ready for immediate use. This product can also be used for reinforcement in Low Risk Application conditions as defined by the standards.

REINFORCEKit® 1D RANGE

ONSHORE / OFFSHORE TOPSIDE



COATED PIPE PROTECTION



IMPACT PROTECTION



EXTERNAL CORROSION PREVENTION

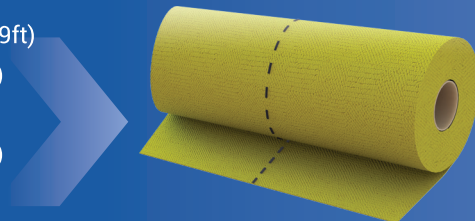


ABRASION PROTECTION

REINFORCEKit® 1D COMPONENTS

5 tape sizes

- R1D - 285mmx15m (11,2" x 49ft)
- R1D - 150mmx15m (6" x 49ft)
- R1D - 150mmx5m (6" x 16ft)
- R1D - 100mmx15m (4" x 49ft)
- R1D - 50mmx5m (2" x 16ft)



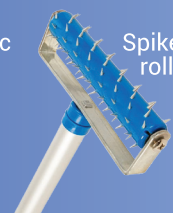
Needed accessories for application



Water spray



Plastic wrap



Spiked roller

REINFORCEKit® 1D MAIN FEATURES & BENEFITS

- Protective overcoat for pipelines
- High impact resistance
- Ensures future pipeline integrity
- Prevents future external corrosion
- No environmental hazards
- Cost-effective (2 layers recommended for optimal protection)
- Easy and fast application (fiber already impregnated with resin, no mixing nor measuring)

DOC MKT 017 - 1D - ENG - 01/2023

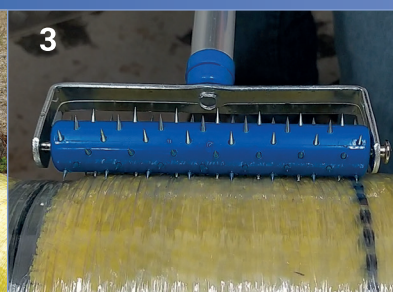
REINFORCEKit® 1D IMPLEMENTATION



R1D wrapping (spray water continuously)



Compression film application



Compression film perforation



Remove compression film after full curing



9, avenue Albert II - 98 000 MONACO
+ 377 92 05 79 81
info@3xeng.com
www.3xeng.com

