

REINFORCEKIT® 4D



Composite Repair Specialist



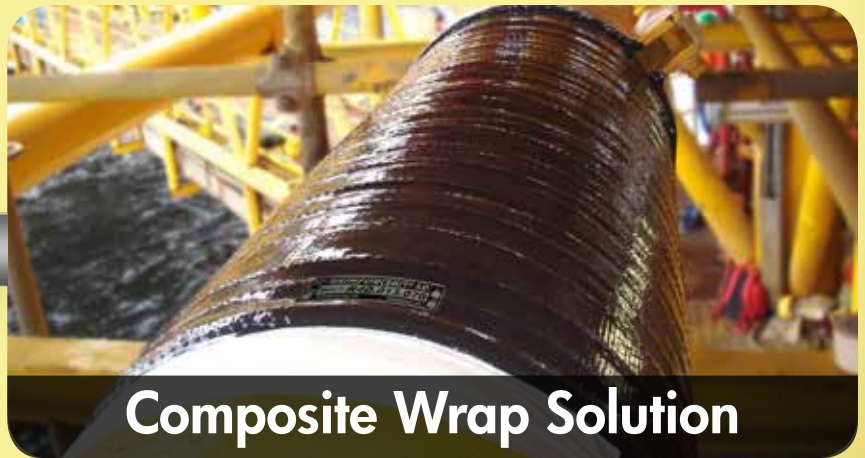
COMPOSITE REPAIR FOR DAMAGED PIPE



Certified by :



Repair & Strengthening



Composite Wrap Solution



Onshore - Offshore - Subsea

The best way to keep your installation profitable



REINFORCEKIT® 4D

The original 3X concept is a combination of Kevlar® tape and specific epoxy resin, which provides the required strength according to the actual standards such as ASME B31G, ISO24.817, ASME PCC-2. This composite technology reinforces your pipes which had lost up to 80% of their original wall thickness.

External corrosion



Internal corrosion



Training
Individual certificate provided by 3X Engineering

R4D-EC
External corrosion
Pipe temperature: -20°C / +55°C

R4D-ECHT
External corrosion High Temperature
Pipe temperature: +50°C / +110°C

R4D-ECTHT
External corrosion Truly High Temp.
Pipe temperature: +70°C / +130°C

R4D-S
External & Internal corrosion Subsea
Pipe temperature: +10°C / +50°C

R4D-VHT
External & Internal corrosion Very High Temp.
Pipe temperature: +100°C / +250°C

R4D-IC
Internal corrosion
Pipe temperature: -20°C / +60°C

R4D-ICHT
Internal corrosion High Temperature
Pipe temperature: +60°C / +100°C


Suitable for tee


Suitable for elbow


Suitable for welds


None conductive


Visual guide


Kevlar® tape


Light product


Kit packaging

Thanks to our Reinforcekit Engineering Analysis (R.E.A) software, 3X is able to design any kind of pipe composite reinforcement including repair quality and durability as per associated standards.

IMPLEMENTATION - REINFORCEKIT® 4D

1



Designed as per R.E.A

2



Bristle Blaster® surface preparation

3



Filler application

4



Resin preparation

5



Ceramic reinforced resin application

6



Coating protection Traceability



and many others ...