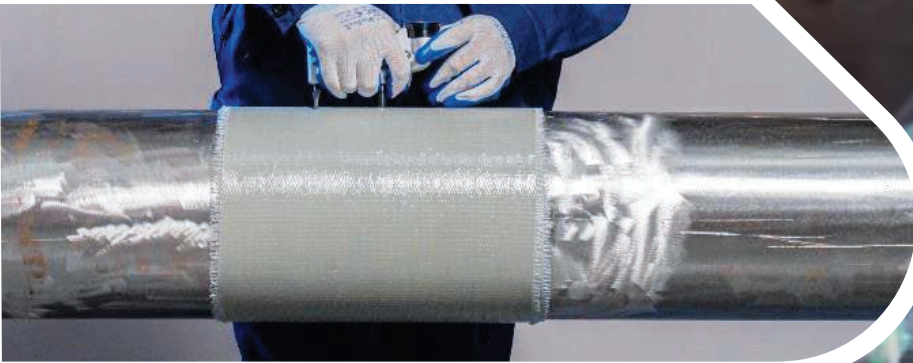


A WORLD FIRST VACUUM-CONTROLLED COMPOSITE PIPE REPAIR & REINFORCEMENT SYSTEM



STRONGPIPE[®]
VACUUM-CONTROLLED COMPOSITE PIPE REPAIR & REINFORCEMENT



COMPLIANCE TO ISO 24817 & ASME PCC-2

WHY STRONGPIPE[®] OUTPERFORMS

- **Pre-cured systems:** Inflexible, prone to installation errors
- **Wet wrap systems:** Poor saturation & delamination risk
- **STRONGPIPE[®]:** Delivers the best of pre-cured and wet-wrap technologies through a patented aviation-grade vacuum process for unmatched strength and consistency.

TECHNICAL SUPERIORITY VS TRADITIONAL SYSTEMS

Property	Tensile Strength (MPa)	Elasticity Modulus (GPa)	Inter-laminar Shear Strength (MPa)	Shear Strength with Steel (MPa)	Layer Thickness (mm)
TRADITIONAL E-GLASS FIBER	500	≥30	≥8.2	≥8	1.6
STRONGPIPE [®] S-GLASS FIBER	≥900	≥30	≥20	≥12	0.5-0.6

★ Fatigue resistance around 10 times of E-glass fiber

INDEPENDENT VALIDATION

- **TUV Certified** : Hydrostatic test on 20" damaged pipe
- **Burst Pressure** : 51 MPa with only 5 layers
- **Pressure Cycling** : >1020 cycles without failure
- **Wall Loss Repair** : 63-70% with 8 layers
- **Field Proven** : 10,000+ global applications



Strongpipe® Glass Shield™

Advanced Polyurethane Mechanical Protection System



STRONGPIPE® GLASS SHIELD: ENGINEERED TO OUTPERFORM

- **Strongpipe™ Glass Shield** is an advanced moisture-cure polyurethane composite designed for low-pressure pipelines (up to 10 bar) and emergency leak repairs. It also serves as a high-performance Abrasion Resistant Overcoat (ARO) for Horizontal Directional Drilling and other trenchless installations. Easy to apply, it delivers reliable protection against corrosion, abrasion, and impact, suitable for both above ground and underwater applications.

KEY APPLICATIONS

Pipeline Protection: Road crossings, HDD installations, submerged pipelines, soil to air interface, Splash zone areas, leak repair for low pressure lines & sweating line

Multi-Substrate Compatibility: Excellent adhesion to steel, stainless steel, 3LPE, 3LPP, FBE coatings, shrink sleeves, and protective tapes

TECHNICAL ADVANTAGES

Property	Impact Resistance	Abrasion Resistance	Gouge Resistance	Curing Time	Hardness	Pressure Test
Specification	52J (ASTM G14)	1,540 cycles/mil	21 @ 50kg load	24 min @ 23°C	78 Shore D	Up to 30 bar



CONTACT:
Mobile: +61466887472
email: info@dutchwerk.au
www.dutchwerk.au