

# CompoSol® Caisson

CompoSol® Caisson is an Engineered and Designed Composite Repair System. Its purpose is to restore structural integrity of caissons and other large diameter pipes, suffering from wall thinning caused by internal & external corrosion or mechanical damage. CompoSol® Caisson can even be used where through wall defects are already evident.

## Design

The composite repair can be designed to withstand structural stresses (such as bending, shear and axial), that are induced from hydrodynamic loading and dead loads, as well as internal pressure. Finite Element Analysis is used to support the design process and identify areas of high stress.

## Application

Surfaces should be clean and free from loose rust and contamination. Preparation should be in line with the requirements of the latest international standards.

CompoSol® Caisson should only be applied by applicators trained and certificated in line with ISO/TS24817, ASME PCC2 and ACORES Audit requirements.

## Benefits

- Cost effective
- Designed to withstand stresses induced from hydrodynamic loads
- Can be applied to surfaces prepared to ST2 standard
- Meets all relevant International Engineering Standards
- Applied under cold permit to work procedures
- Can be applied using scaffolding or rope access
- Can be used on all types of geometries

## Product Data

- Repairs can be made in excess of 120 Barg
- Application Temperature +10°C to +50°C
- Service Temperature -50°C to +150°C
- Storage: In original containers in dry conditions between 5°C and 35°C
- Protect from frost and excessive heat



Providing the Complete Composite Solution