

1 CUSTOMER / PROJECT DETAILS

Customer / company	Date
Contact person / telephone / email	Project / work-order reference
Site / plant / physical location	Line / equipment / pipe tag
Required installation / shutdown date	Repair criticality / consequence of failure

2 REPAIR OBJECTIVE & CLASSIFICATION

Objective	Stop leak	Reinforce thinning wall	Restore pressure	Corrosion barrier	Other
Repair route	Bandage kit	Engineered composite	Temporary	Permanent	Recommend
Defect class	Non-leaking / wall loss	Through-wall / leaking	Mechanical damage	Other	
Required repair design life	Required standard / company specification				

3 PIPE / COMPONENT DATA

Pipe outside diameter / nominal bore	Original nominal wall thickness
Pipe material / grade / specification	Seamless / ERW / welded / cast
Piping code / class / schedule / rating	Corrosion allowance / mill tolerance
Component: straight pipe / elbow / tee / reducer / vessel	Component geometry / bend radius / branch dimensions
External coating / insulation / lining	Welds, supports, flanges or discontinuities nearby

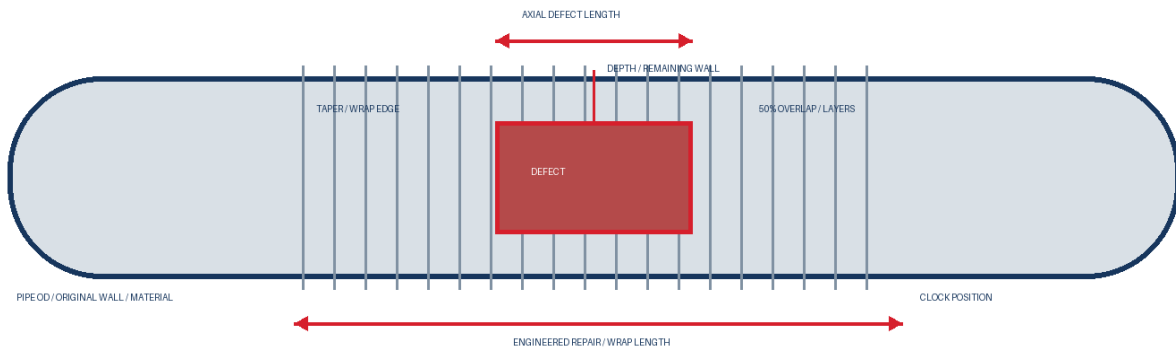
4 OPERATING & DESIGN CONDITIONS

Process medium / chemical / concentration / pH	Gas / liquid / multiphase / solids / abrasiveness
Operating / design pressure	Maximum / surge / cyclic pressure
Operating / minimum / design temperature (°C)	Maximum / upset / cyclic temperature (°C)
Vacuum / external pressure condition	Flow rate / velocity / vibration
Can line be isolated, drained and depressurised?	Can the leak be fully stopped and surface kept dry?
External environment / chemical / UV / immersion	Expected future corrosion / erosion rate
Additional pipe and operating notes	

5 DEFECT TYPE, LOCATION & DIMENSIONS

Defect	External corrosion	Internal corrosion / erosion	Pinhole	Crack	Dent / gouge	Other
Defect axial length / circumferential width				Defect clock position / distance from datum		
Maximum depth / percentage wall loss				Minimum measured remaining wall thickness		
Hole / crack / gouge size and orientation				Dent depth / diameter / strain assessment		
Number of defects / spacing / interaction				Distance to weld, fitting, support or flange		
Inspection method / date / inspector				UT grid size / accuracy / calibration		

6 DEFECT & REPAIR MEASUREMENT GUIDE



Proposed repair axial length / available wrap length	Available circumference / access around pipe
Required laminate thickness / number of layers (if known)	Taper / overlap / termination requirement
Measured MAWP / fitness-for-service result	Applied axial, bending, torsional or shear loads

7 SURFACE CONDITION & PREPARATION

Surface	Dry	Wet	Active leak	Sweating	Oily	Corroded	Coated	Hot	Cold
Existing coating / corrosion product / contamination					Permitted preparation method / cleanliness standard				
Abrasive / power-tool profile / roughness					Soluble salts / moisture / dew-point margin				
Can sharp edges, pits and steps be rebuilt / faired?					Rebuilding putty / leak-stopping clamp requirement				
Minimum / maximum substrate temperature during work					Weather enclosure / ventilation / curing heat available				
Surface-preparation and access notes									

8 PRODUCT / SYSTEM REQUIREMENT

SealXpert system	Wrap Seal PLUS tape	Resin & activator	Uncoated glass tape	Recommend
Seal Stic / repair putty	Steel leak clamp / containment	Surface tissue / chopped mat	Other	
Selected resin / filler / reinforcement / batch		Chemical and temperature compatibility confirmation		
Tape width / roll length / quantity		Target layers / overlap / wrap direction		
Primer / corrosion barrier / topcoat		UV, fire, impact or mechanical protection		

9 INSTALLATION PLANNING & CONTROLS

Applicator company / trained and certified personnel	Method statement / engineering calculation reference
Access / scaffolding / working clearance	Confined space / work-at-height / permit requirements
Ambient temperature / humidity / weather forecast	Pipe temperature / dew point / cure temperature
Mixing, induction, pot life and application time	Cure time / post-cure / return-to-service criteria
Line restraint / loads during cure	Water supply, tools, lighting and power available

10 INSPECTION, TESTING & ACCEPTANCE

Checks	Surface profile	Climate	Layer count	Repair dimensions	Hardness / cure	Visual
Holiday / porosity	Tap test	Adhesion	Pressure / leak test	Witness / hold point		
Acceptance criteria / inspection and test plan			Pressure test / leak test medium, pressure and duration			
Final hardness / cure confirmation			Baseline dimensions / future inspection method			
Monitoring interval / end-of-life plan			Repair marking / tag / drawing update			

11 DOCUMENTATION, APPROVAL & SUPPLY

ISO 24817 / ASME PCC-2 / client compliance	Engineering calculation / design report / PE approval
TDS / SDS / batch certificates / shelf life	Applicator records / inspection report / COC
Required quantities / contingency materials	Delivery, storage below limit / site logistics

12 RECOMMENDATION, NOTES & ATTACHMENTS

Recommended system / exceptions / photograph, UT and drawing references