

SEALBOSS CRACK INJECTION JOBSITE CHECKLIST

PROJECT INFORMATION

Complete these fields before mobilization or at the pre-job meeting.

Project and location:

Date and shift:

Contractor and crew lead:

Repair objective:

Injection product and variation:

Pump and applicator:

Packer or port system:

Project specification or method statement:

Technical contact:

1. Project and Documentation

- ☐ Repair objective and scope are documented.
- ☐ Exact injection product and variation are confirmed.
- ☐ Current product data sheet is available.
- ☐ Current SDS documents are available for all products, components, cleaners, and flush materials.
- ☐ Current application guideline and equipment manual are available.
- ☐ Project drawings, specifications, and approved method statement are available.
- ☐ Technical, safety, and emergency contacts are available.

2. Materials and Components

- ☐ Required product components, hardeners, accelerators, or additives are confirmed.
- ☐ Material quantities and contingency quantities are available.
- ☐ Lot numbers, shelf life, storage, and site-conditioning requirements are checked.
- ☐ Containers and components are clearly labeled.
- ☐ Measuring, mixing, or proportioning equipment is available where required.
- ☐ Dedicated tools and containers are available to prevent cross-contamination.
- ☐ Surface-seal, patching, finishing, and containment materials are available where required.

3. Pump, Hose, and Applicator

- ☐ Pump type and configuration are compatible with the selected injection system.
- ☐ Pump is clean, operational, and ready for the selected material.
- ☐ Hoses, fittings, valves, gauges, seals, and couplers have been inspected.
- ☐ Applicator, gun, mixer, or injection head matches the material and pump system.
- ☐ Required power, compressed air, extension cords, or utilities are available.
- ☐ Spare seals, fittings, hoses, couplers, valves, and wear components are available.
- ☐ Approved priming, testing, startup, flushing, and shutdown procedures have been reviewed.

4. Packers, Ports, and Drilling Equipment

- ☐ Packer or port type, size, length, valve, and coupler configuration are confirmed.
- ☐ Sufficient packers or ports and replacements are available.
- ☐ Drill, suitable bits, depth control, and hole-cleaning equipment are available.
- ☐ Vacuum or dust-control equipment is available where required.
- ☐ Setting, tightening, removal, and patching tools are available.
- ☐ Packer or port layout follows the approved method and actual project conditions.

5. Jobsite and Safety Readiness

- ☐ Crew has reviewed the current SDS, product labels, job hazard analysis, and site rules.
- ☐ Required personal protective equipment has been confirmed.
- ☐ Ventilation, hygiene, first-aid, and emergency provisions are in place.
- ☐ Drilling, electrical, pressure, access, and fall hazards have been addressed.
- ☐ Embedded items, utilities, reinforcement, and post-tensioning have been addressed as required.
- ☐ Work-zone barriers, access controls, lighting, and crew communication are in place.
- ☐ Adjacent spaces, drains, openings, finishes, equipment, and sensitive areas are protected.
- ☐ Spill-control, containment, and waste containers are ready.

6. Inspection and Preparation

- ☐ Crack, joint, leak, or repair area has been inspected and photographed.
- ☐ Visible condition, moisture, active water, access, and possible material exits are documented.
- ☐ Loose, spalled, contaminated, coated, or visibly unsound areas are identified.
- ☐ Adjacent joints, penetrations, drains, cavities, and voids have been reviewed.
- ☐ Areas requiring technical or engineering review are marked.
- ☐ Crack and surrounding surfaces are prepared according to the approved method.
- ☐ Injection sequence and initial test location are established.

7. Final Pre-Injection Verification

- ☐ Repair limits, drilling locations, packer or port positions, and injection sequence are confirmed.
- ☐ Holes are cleaned and packers or ports are installed securely.
- ☐ Surface seal is complete where required.
- ☐ Pump, hose, applicator, mixers, and couplers are assembled and checked.
- ☐ Correct material components are staged and identified.
- ☐ Mixing, proportioning, reaction, or field-test instructions have been reviewed.
- ☐ Containment, monitoring areas, cleanup materials, and waste containers are in position.
- ☐ Crew responsibilities and stop-work conditions are confirmed.

8. Injection Monitoring

- ☐ Pump operation, material flow, pressure response, and equipment condition are monitored.
- ☐ Packer or port stability is monitored.
- ☐ Material travel, returns, leakage, and unintended discharge are observed.
- ☐ Adjacent surfaces, openings, and the opposite side are monitored where accessible.
- ☐ Material use, times, locations, and significant observations are recorded.

- ☐ Crew communication remains active throughout injection.
- ☐ Work is stopped when conditions differ materially from the approved plan or become unsafe or uncontrolled.

9. Reaction, Cure, and Finishing

- ☐ Required reaction, cure, hold, or waiting period is confirmed from current product documents.
- ☐ Packers or ports are removed, cut back, or left in place according to the approved method.
- ☐ Injection locations are patched or finished as specified.
- ☐ Completed work is inspected against the project acceptance criteria.

10. Equipment Cleaning and Waste

- ☐ Equipment cleaning begins promptly using the approved chemistry-specific procedure.
- ☐ Pump, hoses, applicators, mixers, valves, fittings, and couplers are cleaned or managed as directed.
- ☐ Only approved cleaners and flush materials are used.
- ☐ Unused mixed material, cleaning material, rinse material, and waste are contained and managed properly.
- ☐ Waste and cleaning materials are handled or disposed of according to the SDS, site requirements, and applicable regulations.
- ☐ Equipment is inspected after cleaning and damaged or worn components are tagged for service or replacement.

11. Closeout

- ☐ Remaining materials are stored according to current product documentation.
- ☐ Final photographs and treated-area records are complete.
- ☐ Material lot numbers, quantities, injection observations, and corrective actions are recorded.
- ☐ Daily report and project closeout documentation are complete.
- ☐ Follow-up inspection is scheduled where required.
- ☐ Technical questions or unresolved conditions are documented for review.