



Grouting & Structural Repair

WORK TYPE

Repair / grouting

REFERENCES

ADS GROUT-REPAIR

STATUS

Interim template v1

1. PROJECT INFORMATION

FIELD	DETAIL
Project / Job	[Project name]
Client / PMC	[Client / consultant]
Location	[Site address]
Contract / PO	[Ref]
Area / quantity	[_ sq.m]
Programme dates	[Start] - [End]
POLYZEN supervisor	[Name / contact]

2. SCOPE OF WORK

Epoxy injection grouting, crack injection, expansion-joint sealing and structural repair. Area approx. [_ sq.m], as per [drawing / spec ref].

3. REFERENCE DOCUMENTS

- POLYZEN ADS: Grouting & Repair (GROUT-REPAIR) (application methodology).
- Selected material's Technical Data Sheet (TDS) & Safety Data Sheet (SDS).
- Project specification, drawings and approved sample.
- Relevant IS / ASTM / ANSI-ESD standards as applicable.

4. SEQUENCE OF WORKS

- Assess & rout the defect / crack; install injection ports & seal surface.
- Prime / clean; treat reinforcement where needed.
- Inject resin low->high to refusal / place repair mortar / seal joint with backer rod.
- Grind ports & repairs flush.
- Cure.

5. RESOURCES

- **Manpower:** site supervisor x1, applicators x[_], helpers x[_].
- **Plant / equipment:** Injection pump, mixing tools, grinder, sealant gun.
- **Materials:** Client-approved system per the project spec (POLYZEN Applied System) - quantities [_].

6. PROGRAMME & PHASING

- Work bays / zones: [sequence]; shift timing [hours].
- Sequence planned to maintain wet edges / continuity and allow cure & testing before follow-on trades.

7. SITE CONDITIONS & ACCESS

- Access / egress [route]; power [supply]; water [supply]; storage [area].

- Ventilation, lighting and area segregation arranged before start; permits obtained where required.

8. RISK ASSESSMENT

HAZARD	RISK	CONTROL MEASURES
Abrasive blasting (steel prep)	Flying particles, dust	Blast hood / air-fed respirator, containment / screens, exclusion zone
Solvent / isocyanate coating fumes	Inhalation, fire, sensitisation	Ventilation, RPE, bonding & earthing, no ignition sources
Confined space (tank lining)	Fume build-up, asphyxiation	Entry permit, continuous ventilation & gas monitoring, standby
High-pressure resin injection (grouting)	Injection injury, high-pressure release	Trained operators, equipment guards, pressure control, PPE
Vehicle movement / traffic (car parks)	Struck-by / crushing	Traffic management plan, phasing, barriers, hi-vis
Work at height (decks / structures)	Falls	Edge protection, harness, access equipment

9. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Coveralls / chemical suit, gloves, goggles, safety footwear; blast hood / air-fed respirator for blasting & spray; gas monitor for tank interiors; harness at height.

10. QUALITY CONTROL - INSPECTION & TEST PLAN (ITP)

ACTIVITY / STAGE	CHECK / METHOD	HOLD / WITNESS
Surface preparation	Blast cleanliness ISO 8501-1 (Sa 2.5) & profile	Hold
Primer / stripe coat	Visual	Witness
Dry film thickness	Per coat & total (gauge)	Witness
Continuity (linings)	Holiday / spark test	Hold
Adhesion	Pull-off	Witness

11. ENVIRONMENTAL CONTROLS

- Segregate and dispose of waste, empty containers and off-cuts per local regulations and the material SDS.
- Keep a spill kit on site; contain spills; do not discharge resins, solvents, slurry or wash-water to drains or ground.
- Control dust and fumes at source; protect adjacent areas, planting and water bodies.

12. EMERGENCY & FIRST AID

- Site first-aider: **[Name / contact]**; first-aid kit at **[location]**.
- Nearest hospital: **[Hospital name / address]**; emergency ambulance 108.
- Fire extinguishers at the work face during hot works; assembly point **[location]**; spill kit at **[location]**.

13. APPROVALS

Prepared by (POLYZEN)
Name / sign / date

Reviewed (POLYZEN)
Name / sign / date

Approved (Client / PMC)
Name / sign / date

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Disclaimer: this is an interim Method Statement / RAMS TEMPLATE. Complete it with project-specific information (highlighted placeholders), review and approve before work begins. Technical application detail is per the referenced POLYZEN ADS and the selected material's data sheet / SDS; site risk controls must reflect the actual site assessment. POLYZEN reserves the right to revise this template.