



Basement Waterproofing

WORK TYPE

Below-grade waterproofing

REFERENCES

ADS WP-BASEMENT

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

Below-grade tanking to resist hydrostatic pressure - positive or negative side per access; continuity of the tanked box. Area approx. [_ sq.m], as per [drawing / spec ref].

3. REFERENCE DOCUMENTS

- POLYZEN ADS: Basement Waterproofing (WP-BASEMENT) (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

- Prepare; fillets; treat tie-holes, joints & pile heads with waterstops.
- Positive side: pre-applied HDPE / bitumen membrane + detailing - OR negative side: crystalline / Type C cavity-drain.
- Protection board / screed.
- Dress wall waterproofing + drainage sheet.
- Spark-test; backfill only after protection.

5. RESOURCES

- **Manpower:** site supervisor x1, applicators x[_], helpers x[_].
- **Plant / equipment:** Torch / adhesives, trowels, spark tester, dewatering pumps.
- **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
Work at height (terraces, roofs, parapets, podiums)	Falls from height	Edge protection, guardrails / scaffold, harness + anchor, trained operatives
Hot works / gas torch (bitumen membranes)	Fire and burns	Hot-work permit, fire watch + extinguishers, clear combustibles, no torching near services
Confined space (basements, tanks, pools, sumps)	Asphyxiation, fume build-up	Entry permit, gas testing, forced ventilation, standby person, rescue plan
Solvent / PU / PMMA fumes	Inhalation, sensitisation	Ventilation, RPE, no ignition sources
Dewatering / excavation (basements)	Collapse, drowning, slips	Shoring / battering, pumps, edge protection, access controls
Fragile / metal roofs	Fall through roof	Crawl boards, edge / opening protection, safety nets

9. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Coveralls, gloves, goggles, safety footwear; full-body harness + fall-arrest at height; fire-resistant clothing for torch works; gas monitor + respirator for confined spaces.

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

ACTIVITY / STAGE	CHECK / METHOD	HOLD / WITNESS
Substrate & falls	Visual / level (no ponding)	Hold
Detailing (coving, penetrations, upstands)	Visual	Witness
Film thickness / laps	Gauge / visual	Witness
Water test	Flood/ponding (24-72 h) or hydrostatic (7-14 days) per type	Hold
Protection / overlay	Visual before covering	Witness
Electronic leak detection	Holiday / spark (ASTM D7877/D7240) before covering	Hold

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.