



# PU Cement Screed Flooring

### WORK TYPE

Resin flooring

### REFERENCES

ADS PU-CEMENT - TDS ZP-300

### 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

Install a PU-modified cementitious screed (2-6 mm, trowel) with integral coving for heavy wet-process areas. Area approx. [\_ sq.m], as per [drawing / spec ref].

## 3. REFERENCE DOCUMENTS

- POLYZEN ADS: PU Cement Screed (PU-CEMENT) (application methodology).
- POLYZEN Product TDS: ZP-300.
- 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 substrate; form anchor / termination grooves.
- Prime / scratch coat.
- Trowel PU cement 2-6 mm; form integral coving.
- Anti-slip broadcast / seal.
- Cure.

## 5. RESOURCES

- **Manpower:** site supervisor x1, applicators x[\_], helpers x[\_].
- **Plant / equipment:** Shot-blaster / grinder + vacuum, forced-action / pan mixer, trowels, spiked roller.
- **Materials:** POLYZEN system product or client-approved equivalent per the ADS / project spec - 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  |
|---|--|---|
| <b>Skin / eye contact with resin &amp; hardener</b>             | Dermatitis, chemical burns, sensitisation        | Chemical-resistant gloves, goggles, barrier cream; wash stations; no skin contact |
| <b>Dust from surface preparation (grinding / shot-blasting)</b> | Respirable crystalline silica — respiratory harm | Dust-extracted / vacuum-shrouded tools, wet methods, FFP3 RPE, area segregation   |
| <b>Solvent / VOC vapour from primers &amp; seals</b>            | Inhalation, headache, fire risk                  | Forced ventilation, RPE where required, remove ignition sources, no smoking       |
| <b>Wet resin / smooth surfaces</b>                              | Slips, trips and falls                           | Barriers, signage, housekeeping, restricted access during cure                    |
| <b>Manual handling of kits &amp; drums</b>                      | Musculoskeletal injury                           | Team lifting, trolleys / drum handlers, correct technique                         |
| <b>Isocyanate (PU) components</b>                               | Respiratory sensitisation / asthma               | Ventilation, air-fed / FFP3 RPE, health surveillance, keep components dry         |

## 9. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Coveralls, chemical-resistant gloves, safety goggles, safety footwear; FFP3 respirator during grinding / solvent work.

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

| ACTIVITY / STAGE              | CHECK / METHOD                                | HOLD / WITNESS |
|-------------------------------|---|----------------|
| Substrate moisture            | In-situ RH per ASTM F2170 within system limit | <b>Hold</b>    |
| Surface profile & cleanliness | Visual / CSP                                  | <b>Witness</b> |
| Primer coverage               | Visual / consumption                          | <b>Witness</b> |
| Applied thickness / DFT       | Wet-film comb / gauge                         | <b>Witness</b> |
| Adhesion                      | Pull-off spot check (ASTM D4541)              | <b>Witness</b> |
| Final finish                  | Visual / colour / slip                        | <b>Hold</b>    |

## 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.*