



# PU Coating (UV-Stable)

### WORK TYPE

Resin flooring

### REFERENCES

ADS PU-COAT - TDS ZP-100

### 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

Apply a UV-stable aliphatic PU floor coating over prepared concrete. Area approx. [\_ sq.m], as per [drawing / spec ref].

## 3. REFERENCE DOCUMENTS

- POLYZEN ADS: PU Coating (PU-COAT) (application methodology).
- POLYZEN Product TDS: ZP-100.
- 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 & prime.
- Apply aliphatic PU coat 1 & 2.
- Optional anti-slip.
- Cure.

## 5. RESOURCES

- **Manpower:** site supervisor x1, applicators x[\_], helpers x[\_].
- **Plant / equipment:** Diamond grinder / shot-blaster + vacuum, low-speed mixer, notched trowel / pin rake, spiked roller, rollers / squeegees.
- **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.*