



Conductive ESD Flooring

WORK TYPE

ESD resin flooring

REFERENCES

ADS ESD-CONDUCTIVE - TDS ZS-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 conductive ESD floor ($\leq 10^6$ ohm) with dense earthing network for fast charge decay. Area approx. [_ sq.m], as per [drawing / spec ref].

3. REFERENCE DOCUMENTS

- POLYZEN ADS: ESD Conductive (ESD-CONDUCTIVE) (application methodology).
- POLYZEN Product TDS: ZS-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; install & bond dense copper earthing grid.
- Apply conductive primer.
- Apply conductive wear coat.
- Commission resistance-to-ground ($\leq 10^6$ ohm) & body voltage.
- Document.

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. Earthing / megohmmeter test kit.
- **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
Skin / eye contact with resin & hardener	Dermatitis, chemical burns, sensitisation	Chemical-resistant gloves, goggles, barrier cream; wash stations; no skin contact
Dust from surface preparation (grinding / shot-blasting)	Respirable crystalline silica — respiratory harm	Dust-extracted / vacuum-shrouded tools, wet methods, FFP3 RPE, area segregation
Solvent / VOC vapour from primers & seals	Inhalation, headache, fire risk	Forced ventilation, RPE where required, remove ignition sources, no smoking
Wet resin / smooth surfaces	Slips, trips and falls	Barriers, signage, housekeeping, restricted access during cure
Manual handling of kits & drums	Musculoskeletal injury	Team lifting, trolleys / drum handlers, correct technique

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	Hold
Surface profile & cleanliness	Visual / CSP	Witness
Primer coverage	Visual / consumption	Witness
Applied thickness / DFT	Wet-film comb / gauge	Witness
Adhesion	Pull-off spot check (ASTM D4541)	Witness
Final finish	Visual / colour / slip	Hold
Earthing continuity	Grid bonded to building earth	Hold
ESD commissioning	Resistance-to-ground (STM7.1) & body voltage (STM97.2)	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

POLYZEN INDIA PVT. LTD.

Plot No. 7 & 8, S V Heights, Haritha Vanam Colony Road, Bachupally, Hyderabad, Telangana - 500090

Phone / WhatsApp: 9640126496 | Email: info@polyzen.in | Web: polyzen.in

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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.