POLYZEN
WHERE SOVEREIGN SURFACES RULE

METHOD STATEMENT
RAMS - INTERIM TEMPLATE

ESD Earthing & Grounding Integration

WORK TYPE
ESD groundwork

REFERENCES
ADS ESD-EARTHING - TDS ZS-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

Install the ESD earthing groundwork - conductive primer + copper earthing network - as the base for the ESD topcoat. Area approx. **[__ sq.m]**, as per **[drawing / spec ref]**.

3. REFERENCE DOCUMENTS

- POLYZEN ADS: ESD Earthing (ESD-EARTHING) (application methodology).
- POLYZEN Product TDS: ZS-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 substrate.
- Apply conductive primer.
- Lay copper grid & bond to building earth.
- Document the earthing network.
- Hand over to the ESD topcoat.

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 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 network	Layout, continuity & bonding documented	**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)	Reviewed (POLYZEN)	Approved (Client / PMC)
Name / sign / date	Name / sign / date	Name / sign / date

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