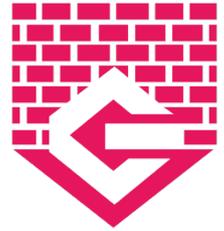


StaticGuard Pro

High-Performance ESD / Antistatic Epoxy Flooring System



CHEMIPROTECT
A CHALLENGE TO CORROSION

1. Product Description

StaticGuard Pro is a self-smoothing, high-strength, conductive epoxy flooring system designed to control static discharge in sensitive environments. It provides seamless, durable, antistatic flooring with excellent chemical and abrasion resistance. Suitable for medium to heavy-duty traffic areas.

2. Key Features / Benefits

- Complies with major ESD and conductive standards
- Seamless & hard-wearing
- High chemical resistance
- Easy to clean & maintain
- Hygienic, dust-free & non-tainting
- Stable electrical resistance
- Light reflective finish

3. Typical Applications

- ⇒ Recommended for ESD-sensitive zones & industrial clean environments:
- ⇒ Electronics assembly & testing areas
- ⇒ Laboratories / QC rooms
- ⇒ Clean rooms
- ⇒ Aerospace & automotive plants
- ⇒ Pharmaceutical & packaging plants
- ⇒ Control rooms / Server rooms

4. System Components

Layer	Product
Primer	StaticGuard Primer
Conductive Grid	12mm Copper Tape
Top Coat	StaticGuard Pro

5. Manufacturer Specification

Parameter Details

Finish Gloss

Thickness As per specification (1–2mm typical)

Color Standard antistatic colors (custom on request)

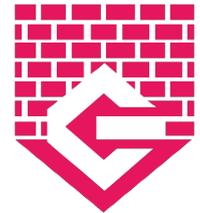
Application As per manufacturer guidelines

6. Substrate Requirements

Minimum compressive strength: 25 N/mm²

Substrate must be dry, free of laitance, dust & contaminants

Max moisture level: 75% RH (BS8204)
Smooth substrate required for self-leveling finish



CHEMIPROTECT
A CHALLENGE TO CORROSION

7. Technical Performance

Property	Typical Value
Electrical Resistance	$2.5 \times 10^4 - 1 \times 10^6 \Omega$ (ASTM F150)
Body Voltage Generation	<100V (IEC 61340-4-5)
Compressive Strength	60 N/mm ²
Flexural Strength	40 N/mm ²
Tensile Strength	25 N/mm ²
Bond Strength	>1.5 MPa (substrate failure)
Hardness	70 (Shore D)
Abrasion Loss	80 mg / 1000 cycles (Taber, 1kg, CS17)
Temperature Resistance	Softens >60°C
Water Permeability	Nil (Karsten test)

8. Application Guidelines

Apply only through approved applicator
Use copper tape grid at 1m perimeter and 3m spacing for effective grounding
Ensure full bonding to earth point
Follow manufacturer's curing schedule

9. Curing Schedule

Temperature	Light Traffic	Full Traffic	Full Chemical Cure
10°C	36 hrs	72 hrs	12 days
20°C	30 hrs	48 hrs	7 days
30°C	24 hrs	36 hrs	6 days

10. Maintenance

Clean using rotary scrubber with mild alkaline detergent
Avoid abrasive cleaning & wax coatings (damages antistatic properties)

11. Health & Safety

Non-hazardous after curing
VOC compliant
Use PPE during application

12. Warranty

StaticGuard Pro is supplied with a material warranty against manufacturing defects only, subject to standard terms & conditions.

13. Technical Support

Installation & technical advice available on request. Share application area, substrate condition & usage type to receive best system recommendation.