RAYSON
HIGH PERFORMANCE COATINGS

TECHNICAL DATA SHEET

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1. PRODUCT DESCRIPTION

Rayson StaticGuard CX90 is a two-component, solvent-free conductive epoxy flooring that gives ESD-protected areas a self-smoothing, permanently conductive, chemically resistant wearing surface.

StaticGuard CX90 is the static-control floor in the Rayson range. The solvent-free, 100%-solids epoxy self-smooths into a seamless surface whose conductivity is built into the cured matrix — not a surface treatment that wears away. Measured electrostatic behaviour falls in the 10^4–10^6 ohm range on average, placing floors in conductive ESD territory when installed and earthed correctly.

2. RECOMMENDED USES

- ESD-protected and dissipative-compliant areas
- Electronics facilities and data centres
- Antistatic flooring and walls
- EMI and RFI shielding installations
- Pharmaceutical facilities and aerospace hangars
- Warehouses and storage areas requiring static control

3. SUITABLE SUBSTRATES

- Mechanically prepared concrete (minimum 28 days old, moisture content below 5%)
- Substrate pull-off strength above 1.5 N/mm² after preparation

4. KEY PROPERTIES

- Permanent conductivity through the coating body (average 10^4–10^6 ohms)
- 100% solids, solvent-free and low VOC
- Self-smoothing, seamless, easy-to-clean finish
- High bond strength with excellent impact and chemical resistance
- static control
- chemical resistance
- abrasion resistance
- hygiene
- low odour

5. SYSTEM ROLE

finish.

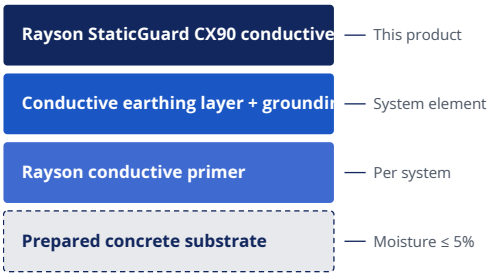

Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

6. TECHNICAL DATA

Surface preparation	[object Object]
Mixing / dilution	[object Object]
Application method	Steel trowel, Notched rake, Squeegee and roller, Spike roller immediately after trowelling
Coverage	[object Object]
Application conditions	[object Object]

Drying & curing	[object Object]
Recoat interval	[object Object]
Film / thickness	[object Object]
Pack sizes	[object Object]
Storage	[object Object]
Shelf life	[object Object]

7. APPLICATION WORKFLOW

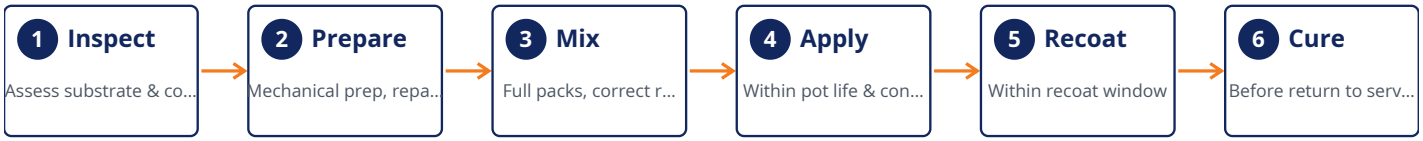

Figure 2 — Application workflow. Each stage is a hold point: confirm the previous stage is complete and within specification before proceeding.

8. RECOMMENDED SYSTEM

ESD floor system

1. Mechanically prepare the slab and repair defects with Rayson PatchBond TX80
2. Prime with Rayson PrimeBond E20 and install earthing points to the agreed layout (system primer selection to be confirmed by the Rayson technical team)
3. Apply Rayson StaticGuard CX90 at the specified thickness and spike-roll to de-aerate
4. Verify floor resistance after cure with documented testing

9. LIMITATIONS

- Applying above the stated film thickness reduces conductivity — thickness control is critical
- Measured resistance readings are affected by ESD clothing, ambient conditions, measurement equipment, floor cleaning and test personnel
- Minimum substrate temperature 5 °C; curing between +10 °C and +35 °C; concrete moisture content maximum 5%
- Requires planned earthing points and post-installation resistance verification

10. HEALTH & SAFETY

[object Object]

RAYSON HIGH PERFORMANCE COATINGS

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Product page:
https://rayson.sparcoasia.com/products/staticguard-cx90/