

Project Report/May 2026

High-performance ESD floor with state-of-the-art technology for data centre

A leading provider of data storage and service centres built a large-scale data facility in Malaysia for high-performance IT capacity.

The investor opted for the volume-conductive **StoFloor ESD KU 614** coating system to protect the sensitive electronics in four server rooms and their anterooms covering an area of over 5,500 square metres, as the system's properties and compliance with the technical and building regulations requirements were convincing.

StoFloor ESD KU 614 offers state-of-the-art technology and thus the most reliable protection for electrostatic discharge areas

Electrical conductivity floor coatings protect electronic building elements from damage caused by electrostatic discharge. They also prevent explosions, for example in warehouses with combustible media or areas with a volatile atmosphere.

StoFloor ESD KU 614 meets all valid ESD standards. Its ESD performance as well as its mechanical resistance are excellent. No additional sealing coat is required. This saves time during installation. The electrical conductivity of the epoxy resin coating StoPox KU 614 is almost independent of the relative humidity. Even at a low humidity of only 12 %, the requirements of the relevant electrostatic discharge standards for electrical conductivity are perfectly met. The epoxy resin is available in numerous colour shades, and is functionally impressive. The absence of carbon fibres results in a homogeneous appearance and also enables lighter colour shades. The material also offers very good leveling properties and low consumption rates. The coating is chemically resistant and free from ionic liquids. StoPox KU 614 is mainly used on mineral substrates in new buildings as well as for refurbishments.

Properties of **StoFloor ESD KU 614**

- StoCretec EP Coating system, electrically volume-conductive
- For ESD-protected areas, server rooms and clean rooms
- For rooms with highly sensitive electronic devices as well as production areas and storage areas for electronic components
- Voltage on a person < 100 volts in accordance with DIN EN IEC 61340-5-1 even at low humidity levels
- Protection of persons according to DIN VDE 0100-410
- System resistance < 10⁹ ohms in accordance with DIN EN IEC 61340-5-1, even at low humidity levels
- Electrostatic leakage resistance < 10⁸ ohm according to TRGS 727 (DE)
- High mechanical resistance
- Suitable for vehicle traffic with polyamide, Vulkollan or solid rubber tyres
- Chemically resistant to a wide range of chemicals
- Free from ionic liquids
- Paint compatibility test for the use in the automotive industry
- Easy to clean
- Limited combustibility system build-up (EN 13501-1)
- In accordance with EN 61340-5-1 and ANSI/ESD S20.20 for SG and MY
- In accordance with EN 1504-2 and EN 13813
- Tested system build-up with voluntary external monitoring
- Colour spectrum: can be tinted according to RAL colour shade fan and StoColor In system, light colour shades possible

Who & What

Name of the reference: ESD floor coating data centre, MY

Location: Kuala Lumpur, MY

Realisation: 05/2026

StoCretec Competence: **StoFloor ESD KU 614**

Screed	StoPox EPS GP (locale product)
Primer	StoPox GH 532
Conductive layer	StoPox WL 118 with conductive copper tape
Coating	StoPox KU 614

Photos: Sto SEA Sdn. Bhd., MY



