

Project Report/December 2023

New construction of a chemical-pharmaceutical warehouse in Singapore with StoFloor ESD KU 611

In the island and city state of Singapore in Southeast Asia, one of the world's leading companies in the fields of healthcare, life sciences and electronics built a new storage building for chemical-pharmaceutical products.

For the storage of highly specialized products, it is crucially important that the technical rule for hazardous substances – avoiding the risk of ignition due to electrostatic charging (TRGS 727) – is adhered to.

For these approximately 900 square meters of sensitive floor areas, the investor and his team of experts decided on the conductive epoxy resin system **StoFloor ESD KU 611**. The conductive layer of the system is StoPox WL 110. This floor coating solution ensures the required explosion protection in accordance with TRGS 727.

In addition, the coating system is highly mechanically and chemically resistant. The StoPox KU 611 levelling coating can be easily processed even under the climatic conditions in Singapore.

Areas of application:

- ESD Protected Areas
- Server rooms
- Cleanrooms
- Battery rooms
- Areas exposed to explosive hazards
- Production and storage areas of the electronic components
- Production areas in automotive industry
- Production and storage areas of the food and beverage industry

Properties of **StoFloor ESD KU 611**

- StoCretec epoxy resin coating system build-up
- Electrically conductive
- For concrete and cementitious screed substrates, others on request
- Mechanically and chemically highly resistant against a high number of special media
- Can be driven on with Vulkollan or solid rubber tires
- Low-emission
- Very good ease of decontamination
- FDA-tested in accordance with 21 CFR§175.300
- In accordance with EN 1504-2 und EN 13813
- Various test certificates are available for skid resistance
- High colour stability

Who & What

Project:	Chemical-pharmaceutical storage, Singapore	
Applicator:	Conplus Ressources Pte. Ltd., Singapore	
Realisation:	4/2023	
StoCretec Competence:	StoFloor ESD KU 611	
	Primer and Levelling coat	StoPox GH 205 with StoQuarz
	Conductive layer Coating	StoPox WL 110 StoPox KU 611

Photos: Conplus Ressources Pte. Ltd.





