

Project Report/February 2024

Sto SEA Equipped Cleanroom with ESD Flooring in the Electronics Industry in Malaysia

Our colleagues from Sto SEA in Asia know their craft: They were able to satisfy the local investor that StoCretec ESD products and systems for the floor coating of his electronics factory in Malaysia was the correct choice to make. The investor, producing electronics for all relevant industries worldwide, demanded floor coatings with clearly defined requirements on a total flooring area of almost 3,000 square meters. The requirements were for an electrically conductive floor coating system with an earth leakage resistance of 10^4 to 10^8 Ohms and qualified for cleanrooms. In addition, the system solution had to be suitable for resisting rising damp. The coating products StoPox WG 100 and StoPox WL 113 were the best choice.

A tailor-made solution with technical expertise, reliable functionality and many year of experience

StoPox WG 100 is a water-based StoCretec EP primer. It offers very good adhesive bond on mineral substrates, and also on existing coatings. The product is permeable to water vapour and therefore suitable for rising damp. The low-emission material also meets cleanroom requirements. The primer was applied both under StoCrete MB 100 and on the local Sto SEA product as an intermediate primer for subsequent sealing coat StoPox WL 113.

StoPox WL 113 is a StoCretec EP water-based coating material with electrical conductivity. The sealing coat is low in emissions too and it is part of the cleanroom-tested system StoFloor Cleanroom WB 110. Its conductivity is largely independent of the relative humidity.

This project-specific solution for the electronics industry convinced the investor. The comprehensively tested products met his on-site requirements. In addition, there is a large number of long-term references.

Who & What

Project:	ESD coating electronics production, Malaysia	
Planner:	BL&H Architects Sdn. Bhd. Malaysia	
Applicator:	Unicrest Technologies (M) Sdn. Bhd. Malaysia	
GC:	Critical Engineering (M) Sdn. Bhd., Malaysia	
Realisation:	2023	
StoCretec Competences:	ESD coating	
	Primer	StoPox WG 100
	Intermediate layer	StoCrete MB 100 (local Sto SEA product)
	Intermediate primer	StoPox WG 100
	Sealing coat	StoPox WL 113
	Self-levelling coating	
	Primer	StoPox WG 100
	Self-levelling mortar	StoCrete MB 100 (local Sto SEA product)
	Intermediate primer	StoPox WG 100
	Coating	StoPox KU 405 (local Sto SEA product)

Photos: Sto SEA





