

Project Report/September 2022

StoCretec ESD-System for FRABA New Manufacturing Location in Malaysia

FRABA is an international corporate group producing high quality products for industrial automation and digital production control systems. The group has subsidiaries in Germany the Netherlands, Poland, the United States and Singapore. FRABA Group is one of the market leaders in the manufacture of automation machines, specialising in protection, operation and position sensors.

Increasing its production capacities worldwide, FRABA built and opened a new manufacturing and logistics centre in Malaysia, Iskandar Puteri, Johor, on a total of 1,700 square meters.

Sto SEA is very proud to supply the floor coating for this project.

FRABA opted for the high-quality StoFloor ESD KU 613 floor coating system on over 980 square meters of the new manufacturing and storage areas. The coloured floor coating was premium choice not only because it is cleanroom certified and chemically resistant. In addition to these system properties, it also meets the highest ESD requirements. The requirements of ANSI/ESD S20.20/2014 were to be complied. The resistance to ground must be in the range of 1×10^4 ohm - 1×10^8 ohm.

In addition to the floor coating of the production areas, the building owner FRABA opted for the water based epoxy resin floor coating StoPox WL 100 on 42 square meters of stair surfaces and for our self-levelling epoxy resin floor coating StoPox KU 601 for 168 square meters of office space at the new production facility.

A major benefit of StoCretec System Solutions delivered by Sto SEA was the selection of colours: The floor coating was tinted in accordance with FRABA's specific colouring requirements: StoPox KU 613 (C101865), StoPox WL 100 and StoPox KU 601 (RAL9016) in bright white. The floor coatings have a smooth, seamless and thus achieve the same demanding standard as the other regional manufacturing and storage facilities of the group.

Properties StoFloor ESD KU 613

- high-quality industrial and cleanroom floor coating
- highest ESD requirements
- electrically volume-conductive
- very low particle abrasion
- low consumption
- high wear-resistance
- very good flow properties
- electrically volume-conductive
- smooth, gloss surface

Properties StoPox KU 601

- EP coating system
- coloured coating for industrial flooring
- mechanical and chemical resistant
- high wear-resistance
- low-emission
- free from additives which damage lacquer
- interior and exposed to the weather application
- smooth, gloss surface

Properties StoPox WL 100

- EP water-based coating material
- coloured sealing coat for industrial flooring and traffic areas
- permeable to water vapour
- low VOC-emission
- interior and exposed to the weather application
- for cementitious substrates
- water-dilutable
- gloss surface

Who & What

Project:	Manufacturing and logistics, Malaysia	
Building owner:	FRABA Sdn. Bhd., Malaysia	
Applicator:	Chem-Crete Engineering Sdn. Bhd., Malaysia	
Completion:	03/22	
StoCretec-Competence:	StoFloor ESD KU 613	
	Primer	StoPox WG 100
	Vapour barrier	StoCrete MB 100 (local Sto SEA Product)
	Levelling coat	StoPox GH 205
	Conductive layer	StoPox WL 110
	Coating	StoPox KU 613
	Office space	
	Primer	StoPox GH 205
	Coating	StoPox KU 601
	Stair surfaces	
	Primer	StoPox WG 100
	Coating	StoPox WL 100

(Photos: Sto SEA Sdn. Bhd.)



