

Project Report/October 2023

Cleanrooms and Corridors for ÉMI TÜV Laboratories in Hungary

ÉMI-TÜV SÜD Kft. has reopened its testing laboratories in the town of Szentendre, Hungary, after completely renovating the building built in the 1970s. The Hungarian branch of the TÜV Süd Group, based near Budapest, primarily serves its customers in Southern and Eastern Europe. The certified laboratories are designated for chemical and mechanical testing of various textiles, clothing, leather goods and shoes, packaging materials, cosmetics, children's toys as well as chemical products, paints, coatings, adhesives and mortars.

With the renovation, ÉMI-TÜV SÜD pursued the goal of creating one of the most modern laboratories in Europe. For the approximately 650 square metres of floor areas in the laboratories and their connecting corridors, the experts of the project team opted for the high-quality and reliable StoCretec system solutions for controlled area rooms and cleanrooms.

In testing laboratories, controlled or clean conditions are just as crucial and indispensable as in production facilities. Trouble-free and repeatable testing processes must be ensured. The introduction of dirt and the resulting possible contamination of test material has to be avoided and specifically contained. At the same time, requirements for chemical and mechanical resistance, slip resistance and outgassing behaviour of the floor coating are crucial. StoCretec Cleanroom floor coatings can be driven on with Vulkollan, polyamide and solid rubber tires. They also withstand intensive use by office chair castors with a system layer thickness of only around 1.5 mm. Both systems can be easily cleaned and decontaminated.

Properties of **StoFloor Cleanroom KU 601**

- StoCretec EP coating build-up
- For cleanrooms in different industrial sectors
- Very low particle abrasion, very low outgassing behaviour
- High mechanical and chemical resistance
- Smooth surface of slip resistance class R10/R11

- Limited combustibility system build-up
- Very good ease of decontamination
- Resistant to disinfectants
- For concrete and cementitious screed substrates, others on request
- CSM cleanroom qualification Fraunhofer Institute IPA
- Large number of long-term references
- FDA-tested in accordance with 21 CFR§175.300

Properties of **StoFloor Cleanroom BB OS**

- StoCretec EP coating build-up
- For cleanrooms in different industrial sectors
- Mechanically and chemically resistant
- Smooth surface of slip resistance class R10/R11
- Limited combustibility system build-up
- Very good ease of decontamination
- Resistant to disinfectants
- CSM cleanroom qualification Fraunhofer Institute IPA
- Large number of long-term references
- For concrete and cementitious screed substrates, others on request
- FDA-tested in accordance with 21 CFR§175.300

Who & What

Project:	Testing laboratories and corridors, Hungary
Investor:	ÉMI-TÜV SÜD Kft., Szentendre, Hungary
Planner:	Value 4 U Real Group, Budapest, Hungary
GC:	Value 4 U Real Group, Budapest, Hungary
Applicator:	Epomax Kft., Budakalász, Hungary

Realisation: 12/2022

StoCretec Competences: Testing laboratories
StoFloor Cleanroom KU 601
Primer StoPox GH 205
Levelling coat StoPox GH 205
with StoQuarz
Coating StoPox KU 601

Corridors
StoFloor Cleanroom BB OS
Primer StoPox GH 205
Levelling coat StoPox GH 205
with StoQuarz
Coating StoPox BB OS
Sealing StoPox CS 100
with StoChips 1 mm, dark grey
Joint sealing StoSeal F 355

Photos: Value 4 U Real Group, Budapest









