Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.
Project Description

The Spiez Laboratory is the Swiss centre of expertise in protection against nuclear, biological and chemical (NBC) threats and hazards. The DDPS safety laboratory (SiLab) at the centre is designed as a facility where Risk Group (RG) 3 and 4 human pathogenic agents can be handled in the utmost safety. Worldwide, there are very few facilities which fulfil the extreme RG 4 security standard, which allows the safe handling of the world’s most dangerous biological hazards including deadly viruses such as Ebola and Anthrax.

To provide this high level of security in the buildings, a so-called “box-in-a-box” system has been used. The entire ground floor laboratory area is enclosed by an absolutely airtight concrete containment structure, then outside of this concrete structure there is a second containment shell made of steel and glass which also totally encloses the structure from the external environment.

Project Requirements

International Security Level 4 (RG 4) in an airtight “box-in-a-box” design that has totally sealed floor, walls and ceilings, with easily decontaminable and biological resistant surfaces.

Sika Solutions

Certified Cleanroom Suitable Materials in accordance to the ISO 14644 and GMP standard.

Decontaminable wall coating system:
- Sikafloor®-156 Primer
- Sikafloor®-390 Thixo (colour RAL 7032 light grey)
- Sikafloor®-390 (colour RAL 9010 white)
- Sikadur®-331 W Sealcoat

Decontaminable floor coating system:
- Sikafloor®-156 Primer
- Sikafloor®-390 (colour RAL 9010 white)