

Building structures

Dutch embassy residence

Project type

new construction

Location

Ljubljana, Slovenia

Surface

740 m²

Investment value

980.000,00 €

Year(s)

2002 - 2003

Services

Structural design,
supervision.

Architecture

Bevk Perovič arhitekti d.o.o.

Investor

Ministry of Foreign Affairs of the
Netherlands



The facility is located in the Koseze area in Ljubljana. Ground plan of the facility is approximately 13 × 21 m, comprising of basement, ground floor and first floor with flat roof. Load structure is of reinforced concrete walls 20 cm thick. The thickness of the plate above basement and flat roof panel is 16.0 cm, thickness of the interfloor slabs above the ground floor is 18.0 cm. The structure is founded on a shallow base plate 40.0 cm thick, which also provides protection against the entrance of ground water in the building (basement of the facility).

Level of foundation reaches the thin layer of sand that is mixed with clay. Excavation of the construction pit extends below the surface of the ground water. Because of non-homogeneous composition of the soil and a relatively thin layer of sand under the base plate a rolled tampon was executed in thickness of 50 cm. Excavation was carried out with the slope with the maximum pitch of 1:1 in the winter, when there was no risk of penetration of the ground water so that all the security measures for excavation pit were abandoned.