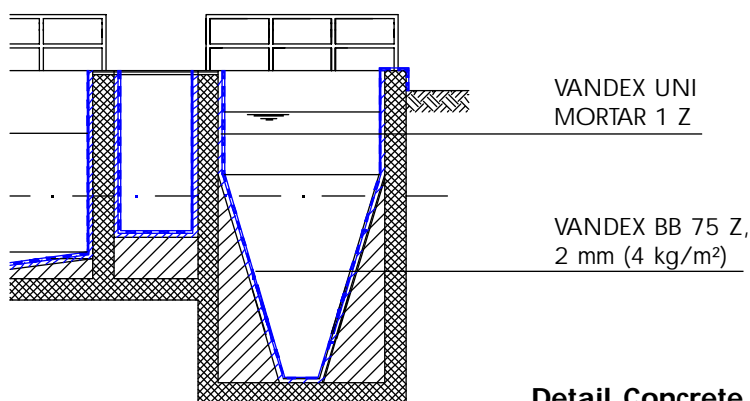


Sewage Treatment Plant Sojovice, Czech Republic

Project Name: Sewage treatment plant Sojovice, Czech Republic
City: Sojovice
Country: Czech Republic
Owner: City of Sojovice
Main Contractor: ITC International S.R.O.
Vandex Applicator: ITC International S.R.O.
Construction Period: 1996

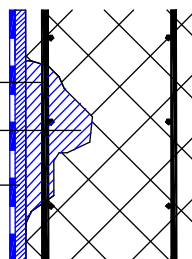


System Cross Section of Silt Chamber



Detail Concrete Repair

VANDEX CRS CORROSION PROTECTION AC
 VANDEX CRS REPAIR MORTAR 05
 VANDEX UNI MORTAR 1 Z, 16 kg/m² (8 mm)
 VANDEX BB 75, Z, 4 kg/m² (2 mm)



Technical Information

Products Used: VANDEX CRS REPAIR MORTAR 05
 VANDEX CRS CORROSION PROTECTION AC
 VANDEX CRS OS 95, 3.6 kg/m² (2 mm)
 VANDEX UNI MORTAR 1 Z, 16 - 20 kg/m² (8-10 mm)
 VANDEX BB 75 Z, 4 kg/m² (2 mm)

Areas Treated: Slab, walls, parapet walls

Equipment: Fine mortar spray equipment

Total Treated Area: 1,200 m²

The Situation before:

Only five years after completion, the sewage treatment plant at Sojovice revealed serious defects in the concrete, caused by poor workmanship during construction. The design team chose the Vandex concrete waterproofing and protection system for sewage treatment plants, and worked closely with the Vandex technical department to produce the following system:

The Vandex Solution:

Refurbishment concept:

- Substrate preparation by high pressure water jetting
- Concrete repair work (VANDEX CRS CORROSION PROTECTION AC, VANDEX CRS REPAIR MORTAR 05)
- Application of VANDEX UNI MORTAR 1 Z, 16-20 kg/m² (8-10 mm)
- Application of VANDEX BB 75 Z, 6 kg/m² (3 mm)
- Application of VANDEX MINERALIT, 250 gr/m²
- Treatment of the external exposed concrete surfaces with VANDEX CRS OS 95, 3.6 kg/m²



Concrete repair work using VANDEX CRS REPAIR MORTAR 05



Preparatory work of walls after high pressure water jetting



Preparatory work on base slab using VANDEX UNI MORTAR 1 Z



Spraying VANDEX UNI MORTAR 1 Z, 16 kg/m² (8 mm)



Parapet walls treated with VANDEX CRS OS 95, 3.6 kg/m² (2 mm)



Finished overview of renovated sewage treatment plant