

Byty Malešice II Building



2015

ABOUT THIS PROJECT:

Owner:
SIDI PRAGUE, s.r.o.
(B. Yair Group)

Contractors:
VCES a.s

Architect:
Casua Spol s.r.o

Market Segment:
General Construction

Location:
Prague, Czech Republic

Products Used:
Xypex Admix C-1000 NF

Located in Prague, the capital of the Czech Republic, Byty Malešice II is a residential and commercial complex consisting of five separate buildings with a shared basement, two underground floors, over 400 parking spaces, a car wash, and a maintenance area.

THE PROBLEM

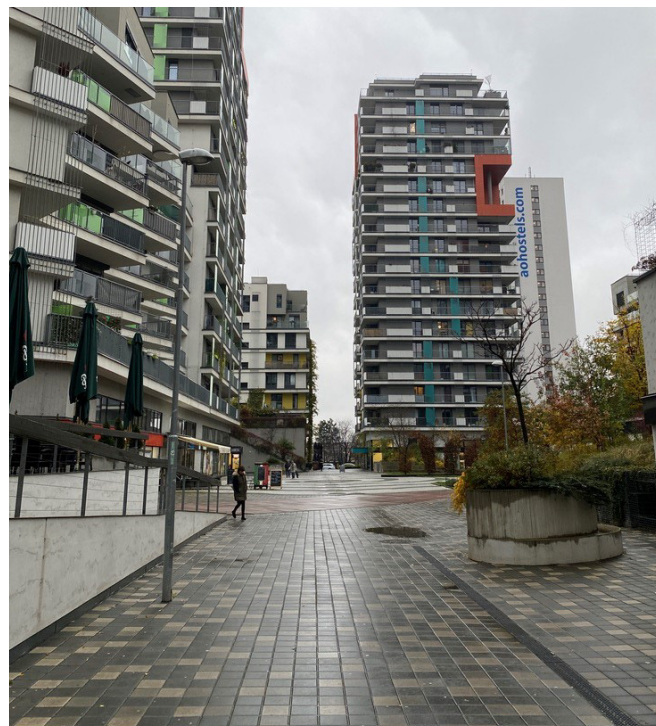
Prague is located on the banks of the Vltava River; therefore, waterproofing the below-grade areas of the structure is essential due to the high-water table in the city.



THE XYPEX SOLUTION

Xypex Admix C-1000 NF was selected to waterproof the concrete foundation slab, walls, lift shafts and sumps due to its ability to simplify the project and save time and money.

Xypex representative, Nekap, provided support during the pre-project phase and the project execution as part of our "Being There" philosophy.



Xypex C-Series admixtures are added during batching to incorporate the innovative Xypex crystalline technology into the concrete mix.

The Xypex chemical treatment reacts with cement and the byproducts of cement hydration to fill the capillaries in the internal structure of the concrete, creating a non-soluble crystalline grid.

The result is concrete that prevents the penetration of water and other liquids for the entire concrete life.

CLOSING PARAGRAPH

By using Xypex products, the developers of this project guaranteed the integrity of the structure's basement levels by waterproofing it with the only waterproofing system certified in the EU as a waterproofing additive, as opposed to a water-resistant additive, minimizing costs by saving up to 20% compared to the Weisse Wanne (White Tank in German) system.

PROJECT BIO

The five separate buildings have different heights (8, 15 and 18 floors). Sixteen commercial units are located on the ground floor, including a supermarket and a wellness center.

The upper floors have 71 studios and 210 residential units.



The architectural appearance and color scheme are intended to underline the differentiation between the new houses and the current housing estate development.

Emphasis is placed on the use of greenery, both on the ground floor and on the buildings themselves. The framed trees on the upper floors are one of the most striking attributes of the project.

