



# Köse İvedik Trade Center



October 2022

## ABOUT THIS PROJECT:

**Owner:**  
Köse İvedik

**Contractors:**  
Bozbaşogullari Construction

**Products Used:**  
Xypex Patch'n Plug  
Xypex Concentrate  
Xypex Modified  
Xypex Admix C-1000 NF

**Market Segment:**  
General Construction

**Location:**  
Ankara, Turkey

## THE PROBLEM

Completed in December 2022, KÖŞE İVEDİK is a multi-purpose building with a below-grade parking garage, located in a densely populated area.

During the construction phase, the engineers were faced with the challenge, of waterproofing a below-grade concrete structure effectively and permanently during the winter months; this presented the problem of applying the specified membrane in freezing temperatures.

## THE XYPEX SOLUTION

The project engineers solved the problem differently; instead of applying a membrane, they poured concrete that incorporated Xypex at the batching stage.

Xypex Admix C-1000 NF was used to waterproof over 15,000 cubic meters of concrete placed in the structure's basement from the casting stage. Also, tie-rod holes and cold joint areas were repaired with Xypex Patch'n Plug and Xypex Concentrate.



Xypex C-Series admixtures were added during batching to incorporate 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 matrix.

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



## CLOSING PARAGRAPH

Xypex technology saved time and money for the project's owners as it could be applied in cold climates and was less expensive and labor-intensive than membrane applications.

Located in one of Turkey's most important economic centers, this multi-purpose building is home to multiple shops, restaurants, offices, and other commercial premises.