



Ezz Steel Water Tanks & Roof Application



ABOUT THIS PROJECT:

Market Segment:
Industrial Structures
General Construction

Contractor:
United for
Waterproofing

Products Used:
Xypex Concentrate
Xypex Admix 1000 NF

Location:
Sadat, Egypt

Consultant:
Beton Technical Office's
consulting team

DESCRIPTION

Beton Technical Office's consulting team, in partnership with the contractor, United for Waterproofing, used Xypex Admix C-1000 NF to waterproof the roofs and water tanks of Ezz Steel's facilities in Sadat City, Egypt.



THE XYPEX SOLUTION

Xypex is a unique chemical treatment for the waterproofing, protection, and improvement of concrete. Xypex Admix C-1000 NF is added to the concrete mix at the time of batching. Xypex Admix C-1000 NF contains various active, proprietary chemicals.

These active chemicals react with the moisture in fresh concrete and with the byproducts of cement hydration to cause a catalytic reaction. This reaction generates a non-soluble crystalline formation throughout the pores and capillary tracts of the concrete that permanently seals the concrete and prevents the penetration of water even under hydrostatic pressure. This approach is cost-effective and eliminates the need for conventional on-site methods.

In addition, Xypex Concentrate was applied as a cementitious slurry to waterproof the construction joints and existing concrete elements.

