



Delta Fertilizers Plant Rehabilitation



2026

ABOUT THIS PROJECT:

Market Segment:
General Construction

Engineer:
Dr. Mohamed Elhowaty
Office (Consultant)

Products Used:
Xypex Concentrate
Xypex Admix C-1000 NF

General Contractor:
El Andalous Co.

Waterproofing Supplier:
Xypex Egypt (Béton),
Eng. Amr Saad

Owner/Developer: Delta
Fertilizers & Chemical
Industries Co. (subsidiary
of Chemical Industries
Holding Company)

Location:
Talkha, Egypt

As part of the full reactivation of the Delta Fertilizers plant in Talkha, one of Egypt's key fertilizer production facilities, the concrete structures across the site required complete waterproofing and long-term protection.

Operating in a fertilizer production environment, the clarifiers, tanks, non-sterilizer units, and ammonia and urea units face continuous exposure to water ingress and aggressive chemical attacks, conditions that demanded a durable, internally integrated solution rather than a surface barrier vulnerable to degradation.

Xypex crystalline technology was selected for the full scope of waterproofing works, with 48 tons of Xypex Concentrate applied across the structures and 3 tons of Xypex Admix C-1000 NF integrated into new concrete.

The Xypex Concentrate treatment penetrated the portion of the structures where it was applied and the Xypex Admix C-1000NF became a permanent part of the concrete matrix, sealing it from within against both water and chemical exposure.



The result is comprehensive, long-term internal protection across all treated units, safeguarding the rehabilitated structures for the plant's renewed operational life and supporting the facility's return to full production.

