



Al Kadaro New Slaughterhouse Water Treatment Plant, Khartoum



2018

ABOUT THIS PROJECT:

Market Segments:

Wastewater Treatment Plant
Industrial

Location:

Khartoum, Sudan

Contractors:

Export Development
Group and WAN

Products Used:

Xypex Admix C-1000 NF

The design of the Al Kadaro New Slaughterhouse in Khartoum, Sudan, included new water treatment tanks that required waterproofing. These tanks need to be protected against water infiltration and exfiltration, for the tanks' structural integrity but also to avoid contamination of the surrounding environmental. To effectively address these issues, the Export Development Group and WAN Engineering Co. opted for Xypex Crystalline Technology, a solution that ensures long-lasting waterproofing and protection for concrete structures.

The application of Xypex Admix C-1000 NF at the Al Kadaro New Slaughterhouse highlighted the effectiveness of Xypex Crystalline Technology, ensuring that the treatment tanks remained permanently watertight.



Xypex Admix C-1000 NF was chosen to safeguard the concrete used in the treatment tanks and was added to the concrete mix during the batching. The Xypex Admix C-Series reacts chemically with moisture in the concrete, forming an insoluble crystalline structure. This structure efficiently blocks capillaries and micro-cracks, making the concrete impermeable to water, resistant to chemicals, and capable of self-crack-healing. As Xypex renders the concrete waterproof, it is suitable for applications that are subject to both positive and negative hydrostatic conditions.