



# Al Bashir Medical City, Khartoum Center



## ABOUT THIS PROJECT:

**Market Segments:**  
General Construction  
Foundations

**Owners:**  
Al Bashir City for Medical  
Services & Investment Co.

**Products Used:**  
Xypex Admix C-1000 NF

**Location:**  
Khartoum, Sudan

**Contractors:**  
Saudi for Urban Development Co.

During the construction of the Al Bashir Medical City Center in Khartoum, Sudan, meticulous attention was given to the waterproofing and protection of the raft foundation. The engineers ensured a robust and reliable solution by incorporating Xypex Admix C-1000 NF into the concrete mix.

The utilization of Xypex Admix C-1000 NF in the construction process not only attests to the project team’s foresight in selecting advanced waterproofing technology but also highlights the commitment to long-term structural integrity.



The contractor, Saudi for Urban Development Co., executed the pouring of 4,683 m<sup>3</sup> of Xypex-treated concrete. Added during batching, Xypex Admix C-Series is mixed into the concrete without negatively impacting the fresh or hardened properties. When the active ingredients are exposed to water, Xypex reacts chemically, forming an insoluble crystalline structure. This structure efficiently blocks capillaries and micro-cracks, rendering the concrete impermeable to water and chemically resistant. The Xypex continues to generate new crystalline material, enabling the concrete to self-heal small cracks.