



# Kantaoui Medical Center Below Grade Carpark



2021

## ABOUT THIS PROJECT:

**Market Segment:**  
General Construction

**Customer:**  
Gloulou

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

**Location:**  
Sousse, Tunisia

## DESCRIPTION

The Xypex waterproofing project at the Kantaoui Medical Center in Sousse, Tunisia, completed in 2021, showcases the effectiveness of Xypex products in ensuring the durability and reliability of critical infrastructure.

Located just 200m from the Gulf of Hammamet seafont, the project posed unique challenges due to the high water table and the risk of water infiltration. Utilizing 7 tonnes of Admix C-1000 NF, along with 4 tonnes of Concentrate and Patch'n plug, Xypex was applied to the underground car park, columns, and slabs of a double basement below grade carpark.

Xypex products not only expedited the construction process but also significantly enhanced the waterproofing of the concrete over traditional membranes.



This application allowed for the safe storage of construction materials in the basement area and ensured the largest medical center in the region remained dry and functional.

## THE XYPEX SOLUTION

The Xypex Advantage lies in its innovative Crystalline Technology, which transforms the way concrete structures are waterproofed.

Unlike traditional barrier products that work from the outside and often encounter issues like peeling, cracking, or delamination over time, Xypex integrates directly into the concrete.

This integration not only makes the waterproofing permanent but also allows it to reactivate in the presence of water, ensuring long-term durability.



Xypex is uniquely capable of self-healing static cracks up to 0.5 mm, offering a robust solution that traditional methods cannot match. Its versatility is further underscored by its application flexibility; it can be applied from either the negative or positive side of the concrete surface, eliminating the directional constraints faced by preformed membranes.

Additionally, Xypex does not require the extra layer of protection that membranes do, reducing both material and labor costs. Its resistance to chemical attack and immunity to the deterioration problems that often plague surface coatings and membranes solidify Xypex as a superior choice for concrete waterproofing, offering a blend of efficiency, durability, and cost-effectiveness unmatched by conventional methods.

The project is noteworthy for its scale and its role in protecting valuable medical equipment installed underground, demonstrating the critical value Xypex adds to complex construction projects in challenging environments.

