



Cairo Metro Line 3 Phase 3 & 4



ABOUT THIS PROJECT:

Market Segments:
Tunnels

Consultant:
Vinci

Products Used:
Xypex Concentrate

Location:
Cairo, Egypt

In the Cairo Metro Underground project, specifically for Line 3, Phase 4, Vinci served as both contractor and consultant, facing considerable challenges, particularly with the initial waterproofing material. To address these issues, the project team opted for Xypex Concentrate, a move that significantly improved the waterproofing of stations and water tanks within the project. A total of 12 tons of Xypex Concentrate was utilized, demonstrating its effectiveness in a demanding environment.

The project, which completed its previous phase at the beginning of 2019, embarked on this new phase in 2020. The success of Xypex in this phase, particularly in replacing an ineffective crystalline surface-applied brand, highlighted its advantages. Applied to stations, water tanks, and fire tanks, Xypex Concentrate not only provided reliable waterproofing but also set a precedent for its use in subsequent projects, including the upcoming Cairo Metro Line 4.

The choice of Xypex Concentrate for its durability, efficiency, and cost-effectiveness underscores its superiority in overcoming the waterproofing challenges of such significant infrastructure projects.

Xypex sets itself apart with its Crystalline Technology, offering a revolutionary approach to concrete waterproofing. Unlike traditional methods that can fail over time, Xypex becomes a permanent part of the concrete, capable of self-healing cracks up to 0.5 mm and reactivating in wet conditions for lasting durability. Its flexible application, from either side of concrete surfaces, eliminates the limitations of preformed membranes and cuts down on costs by eliminating the need for additional protective layers. Moreover, Xypex's resistance to chemical damage and deterioration makes it a more efficient, durable, and cost-effective solution for waterproofing than conventional options.

