



# Tersane Istanbul Rixos Pool



ABOUT THIS PROJECT:		
<b>Market Segment:</b> General Construction	<b>Owner/Developer:</b> Haliç Altınboynuz Marina Turizm İnşaat Yatırım A.Ş.	<b>Products Used:</b> Xypex Admix C-1000NF Xypex Patch'n Plug
<b>Concrete Producer:</b> Boğaziçi Concrete	<b>General Contractor:</b> Sembol İnşaat	<b>Applicator:</b> Topsit A.Ş.
<b>Location:</b> Istanbul, Marmara Region, Turkey	<b>Architect:</b> Tabanlıoğlu Mimarlık	

The Tersane İstanbul Rixos Overwater Pool, located at the Golden Horn in Istanbul, represents Turkey's first floating pool application and a pioneering engineering achievement. The project required a durable structural system capable of withstanding simultaneous exposure to high-salinity, pressurized seawater from the exterior and chlorinated pool water from the interior.

As the only protective barrier between these aggressive environments was the concrete structure itself, long-term watertightness and durability were critical performance requirements.

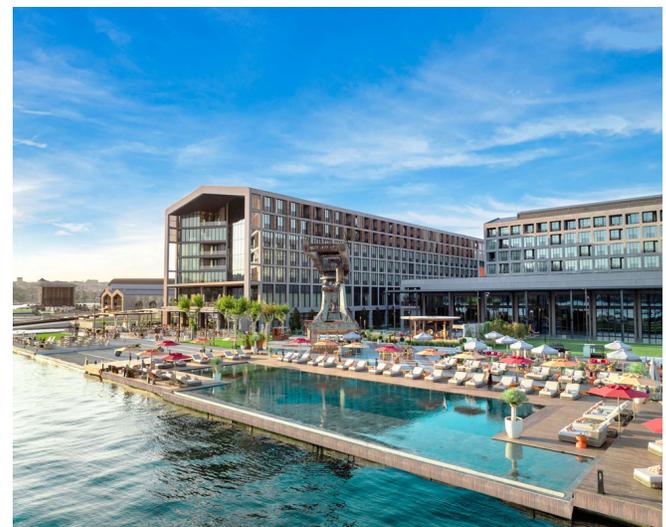
To address these conditions, structural C35 concrete incorporating XYPEX ADMIX C-1000 NF was placed directly in a marine environment. The integral crystalline technology provided permanent waterproofing protection within the concrete matrix, enabling resistance to hydrostatic pressure and chloride penetration.

Following placement, chamfered areas and critical joints were treated with XYPEX PATCH'N PLUG to reinforce vulnerable transition points.

For additional protection under negative-side exposure, XYPEX PATCH'N PLUG was applied from the interior of the pool to support long-term watertightness under high-salinity, pressurized seawater conditions.

This approach enabled the project team to use a streamlined waterproofing strategy rather than multiple-layer systems, resulting in time savings and a simplified application during construction.

The crystalline technology provided an effective solution to saltwater exposure, elevated hydrostatic pressure, and a demanding construction schedule.



As a result, the structure achieved reliable long-term performance under aggressive marine and chemical exposure conditions, demonstrating exceptional durability in one of the most challenging swimming pool environments in the region.

The project serves as a benchmark example of integral crystalline waterproofing applied to a floating marine structure, reinforcing Xypex's ability to deliver proven technology for demanding coastal infrastructure applications.

