



Floating Concrete Dock



ABOUT THIS PROJECT:

Market Segment:
Marine Structures

Owner:
Marina Technologies

Products Used:
Xypex Admix C-500

Location:
Quebec, Canada

This floating concrete dock project used Xypex Admix C-500 as the primary waterproofing method, added directly during batching to create a permanent, integral solution. The crystalline admixture reacts with water and the by-products of cement hydration to form insoluble structures that seal cracks and pores, providing superior resistance to water penetration, chlorides, and chemical corrosion—critical for marine environments.

By eliminating traditional membranes, the design avoids common failure points like punctures and delamination while simplifying construction and reducing long-term maintenance.

The result is a highly durable floating dock with embedded waterproofing that outperforms membrane-based systems in harsh conditions. This approach extends the structure's lifespan and reduces lifecycle costs through minimized repairs, demonstrating the effectiveness of Xypex's crystalline technology as a reliable, low-maintenance alternative for marine infrastructure.

