



## Sea World – Polar Bear Shore

Gold Coast, Australia



Products  
**ADMIX C-1000 NF**

Project Type  
**WATER HOLDING**



Sea World is a marine mammal park, oceanarium, and theme park located on the Gold Coast, Queensland, Australia. It features one of the most technologically advanced exhibits for Polar bears in the world.

The bears are housed at Polar Bear Shores, featuring the tundra environment of the Arctic summer in a state-of-the-art display. Visitors to Polar Bear Shores can observe the bears' graceful underwater swimming and playful behaviours through large underwater viewing windows. With a cascading waterfall and a winding creek, a large main pool that is up to four metres deep to encourage deep and shallow diving, an array of climbing outcrops, fallen trees, shrubs and other structures and a strategically placed rock platform enabling long distance viewing across the exhibit and beyond, Polar Bear Shores is a naturalistic environment which aims to constantly stimulate the bears.

The Polar Bear enclosure utilised Xypex [Admix C-1000 NF](#) and Kuniseal C-31 water-stop for the pool to ensure concrete waterproofing integrity. Xypex Admix C-1000 NF was used to waterproof, protect and improve the concrete's durability for the Sea World Polar Bear enclosure. Kuniseal C-31 was used to prevent the ingress of water through cast in-situ concrete construction joints.

Xypex prevents the penetration of water and other liquids from any direction by causing a catalytic reaction that produces a non-soluble crystalline formation within the pores and capillary tracts of concrete and cement-based materials.