



At the Lab. In the Field.  
By Your Side.

## MUNDO MARINO S.A. OCEANARIUM BUENOS AIRES, ARGENTINA

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QUESTIONS: 1-800-267-8280 or [www.kryton.com](http://www.kryton.com)



CONCRETE  
WATERPROOFING

### BACKGROUND

Mundo Marino S.A. is one of South America's largest marine parks and the only aquarium on the continent that houses Orcas. At more than 31 metres in diameter, 5 metres deep and with a volume of 3.55 million litres, the main aquarium pool at Mundo Marino S.A. is the largest in South America.

While designing and constructing the pool, the facility owner and contractor faced a number of key challenges. Since the aquarium would be home to dolphins, whales and other sea creatures, all construction materials needed to be strictly non-toxic. In addition, salt water is known for corroding and damaging concrete and speeding up the deterioration of conventional waterproofing membranes, which are expensive to repair and replace.

### SOLUTION

To replace conventional membranes and extend the life of the aquarium tank, Mundo Marino S.A. used Kryton's Krystol™ Internal Membrane (KIM™) in the pre-cast tank panels as well as in the beams and columns supporting them.

KIM™ permanently seals concrete, significantly reducing or eliminating corrosion due to salt water. Because it lasts the entire life of the concrete and self-seals any small cracks which develop due to settling or seismic activity, KIM™ will save maintenance and repair costs throughout the life of the tank.

Equally important, KIM™ is certified non-toxic by NSF International, a widely respected third-party certification provider that develops national standards for food, indoor air, the environment and water.

Today, the aquarium pool at Mundo Marino S.A. is free of cracks and corrosion, and the whales, dolphins and other inhabitants appear happy and content within their new habitat.



PROJECT CASE STUDY

### LOCATION

San Clemente del Tuyú  
Partido de la Costa  
Buenos Aires, Argentina.

### OWNER

Mundo Marino S.A.

### DISTRIBUTOR

Nodulo, S.A.



March 15, 2005

Kryton Internacional Inc.  
8280 Ross Street  
Vancouver, BC  
V5X 4C6

Attention Rodney Bennett, International Manager  
Kryton International Inc

Dear Rodney,

We are the proprietor of a large marine park located in Buenos Aires, Argentina. We employed Kryton's concrete waterproofing admixture called Krystol Internal Membrane for our concrete waterproofing requirements. Krystol's distributor in our region, Nodulo S.A, was a great help in assisting us make the choice to go with Kryton's Krystol Internal Membrane admixture over membrane-type systems.

Our main concern was an external membrane being in direct contact with the salt water, causing it to break down and needing to be replaced in a short time. We chose the Krystol System for its resistance to salt water, self-sealing ability, and long-term maintenance free attributes.

Several years have passed since the concrete was installed and we are realizing great savings with your concrete waterproofing system. Our concrete has withstood the usual effects of being in direct contact with salt water. Your product has given our concrete protection from cracks and reinforcing steel corrosion.

Without question we are very pleased to have made the decision to waterproof with Krystol. We could definitely be pleased to recommend the Krystol Waterproofing Systems to others who require maintenance and corrosion free, quality waterproofed concrete.

Yours sincerely,



JOSE DAVID MENDEZ  
MUNDO MARINO S.A.  
DIRECTOR

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