



**CONSTRUCTION & REPAIR OF  
CONCRETE WATER  
CONTAINMENT STRUCTURES**



**BE SURE. BE KRYTON.**

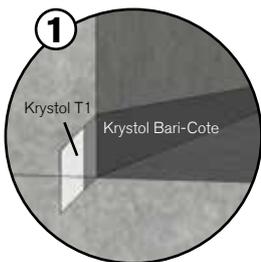
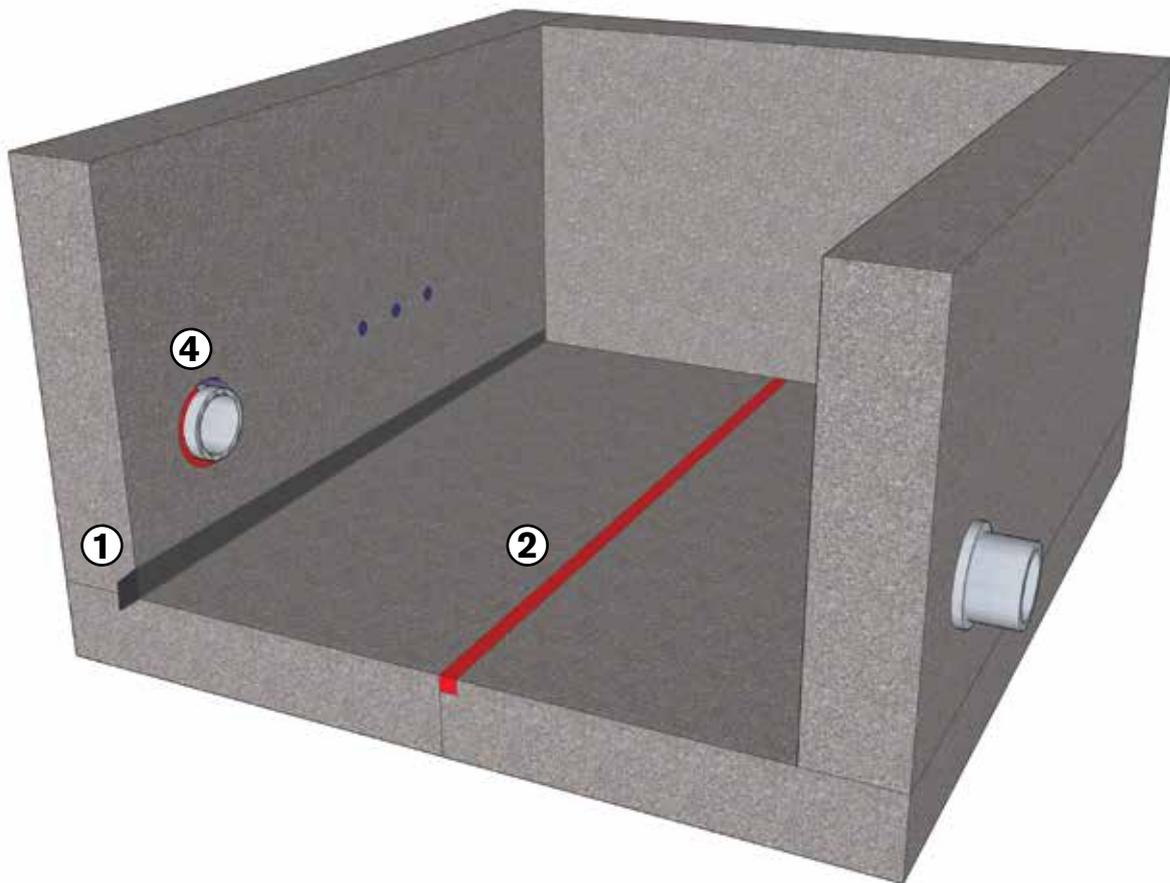


## CONSTRUCT WATERTIGHT STRUCTURES

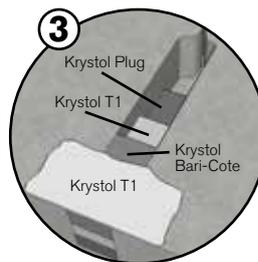
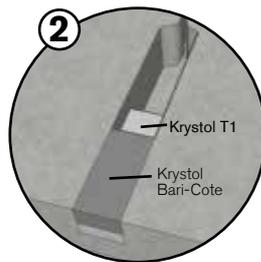
Take the risk out of creating watertight tanks from the beginning by using Kryton's Krystol Internal Membrane™ (KIM®) admixture and Kryton's Construction Joint System.

Waterproofing is built right into the concrete, eliminating the need for membranes. Kryton's Krystol® technology provides excellent resistance to harmful caustic effects of contact with sewage, wastewater and waterborne chemicals such as sulphates, chlorides and acids.

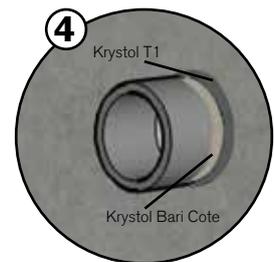
- Transform walls and slabs into impenetrable barriers using KIM or Krystol Broadcast™
- Create watertight construction joints and pipe penetrations using Kryton's Construction Joint System
- Plug tie holes with Krystol Bari-Cote™



*Ensure watertight construction joints with Kryton's Construction Joint System*



*Repair leaking cracks with the Krystol Crack Repair System*

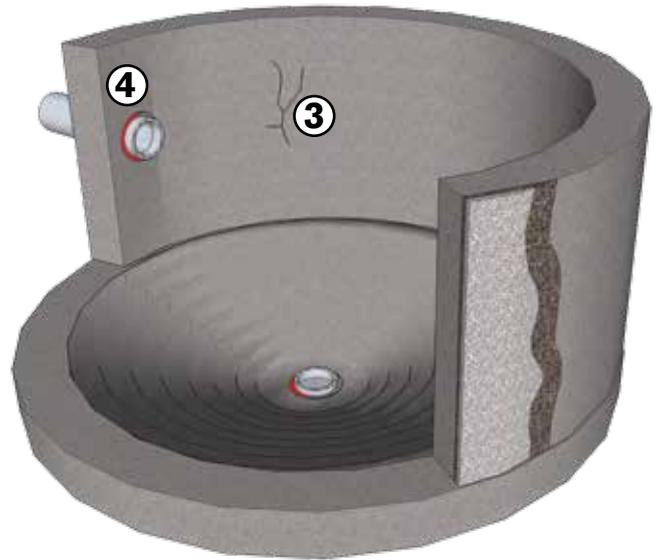
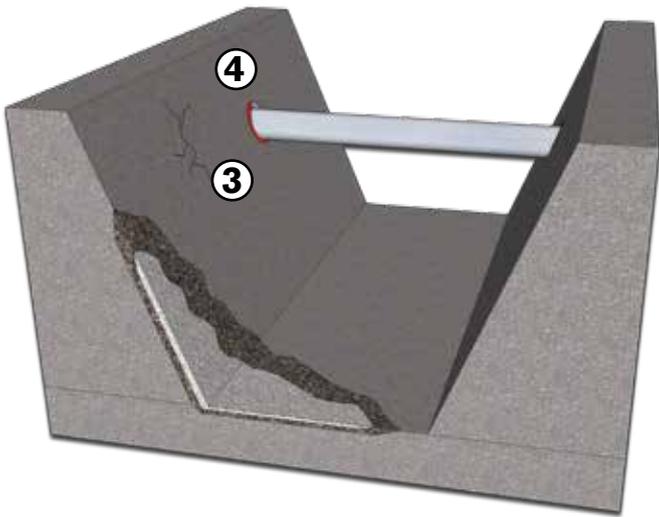


*Prevent leaks at pipe penetrations with Krystol products*

## REPAIR AND WATERPROOF EXISTING STRUCTURES

Extend the life of your existing structures by waterproofing where existing membranes have failed or where there was no initial waterproofing. Kryton's waterproofing and repair system is the only system that is as strong as concrete and works 100% of the time.

- Seal cracks and stop leaks using the Krytol Crack Repair System
- Use Krytol Plug™, Krytol T1® and Krytol Bari-Cote to treat leaking pipe penetrations
- Prevent further water ingress by applying Krytol T1 & T2 to walls and slabs subject to hydrostatic pressure



## REPAIRING THE RAW WATER RESERVOIR 1



Repair work on the Bharat Oman Refineries, Bina, Madhya Pradesh, India

Bharat Oman Refineries Limited, a joint venture company formed by Bharat Petroleum Corporation Limited and Oman Oil Company Limited, was developing a grass root refinery of 6 million metric tonnes per annum capacity in Bina, Madhya Pradesh, India. To meet the water requirement of the entire refinery complex, earthen reservoirs having two compartments were constructed adjacent to each other. To release the ground water up-lift pressure, relief valves were provided in the bottom panels of the reservoirs.

Bharat Oman Refinery Limited approached Kryton Buildmat for the repair of their Raw Water Reservoir-1, which was leaking significantly. Kryton offered a solution that included design, engineering and formulating the methodology to carry out the repair work to arrest the leakage from the Raw Water Reservoir-1. The entire surface and all the joints of the reservoir were treated with Kryton's Concrete Waterproofing System (Krytol T1, Krytol Bari-Cote and Krytol Plug).

The project was successful and the level of water was tested after filling the reservoir to full height and the measurements were taken for 3 days continuously. It was proven that after the application of the Kryton System there was no more leakage in Raw Water Reservoir-1.



*TreePeople Center Underground Cistern,  
Los Angeles, California, USA*

TreePeople, is a non-profit organization that provides sustainable solutions to urban ecosystem problems. The center features a 216,000-gallon underground concrete cistern designed to achieve the US Green Building Council's Leadership in Energy and Environmental Design (LEED) Platinum Rating. Because conventional waterproofing membranes deteriorate over time the center's owners opted to use Kryton's Krystol Internal Membrane (KIM). By eliminating costly repairs and maintenance, KIM provides worry-free waterproofing for the life of the cistern.

In 2011 Kryton was awarded Project of the Year in the GreenSite Awards for their work on the TreePeople cistern.



*Annacis Island Wastewater Treatment Plant,  
Vancouver, British Columbia, Canada*

Annacis Island Wastewater Treatment Plant (WWTP) is the largest WWTP in the Greater Vancouver area and provides secondary wastewater treatment to approximately 1 million people. Four huge DAFT tanks, several meters in height and 400 mm (15 in.) thick were cracking and leaking. Kryton-approved applicators were contracted to provide repairs to leaking tanks and other walls at the facility. Krystol Bari-Cote, Krystol T1 & T2 were used to repair and waterproof the tanks.

When Annacis Island expanded their facilities, the Krystol Internal Membrane (KIM) admixture was used for waterproofing base slabs and walls in place of a membrane and bentonite at the deepest locations on-site – three stories below the water table.



*Batu Kitang Water Treatment Facility Complex,  
Batu Kitang, Kuching, Malaysia*

Due to the growing population the Kuching Water Board needed to expand their fresh water and they needed to do it quickly. The board elected to add to the complex by building an eighth module, which would increase the facility's fresh water producing capacity by 100 million liters per day. With a timeline projected of a year and a half, speed and efficiency of construction were critical. Another important factor in construction was waterproofing as the structure would be exposed to high water pressure being constantly pumped in and out of the plant. The team used Kryton's Krystol Internal Membrane (KIM), and Krystol T1 to keep the structure leak-free and meet their tight construction schedule.

Applicators in Ahmedabad, Bangalore, Chandigarh, Chennai, Hyderabad, Kolkata, Mumbai and Pune.

Find yours today. [www.krytonbuildmat.com](http://www.krytonbuildmat.com)



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