

# Revelstoke Hydro-Electric Dam

Revelstoke, British Columbia, CA (1985)

## BACKGROUND

The Revelstoke Dam on the Columbia River was one of the largest of its kind at 175 m (575 ft.) when it was constructed in the mid-80's. To give you an idea of the enormity of the project, over two million cubic meters of concrete was used to build the dam, constructing a structure considered 'mega' in its time. The reservoir created by the dam extends 130 km upstream and contains 5.3 billion cubic meters of water, which produces tremendous hydrostatic pressure on the dam infrastructure.

Hydrostatic pressure is a constant concern for dam projects of this nature, and other projects that experience immense water pressure. The majority of waterproofing products on the market in the 80's and still today, are not equipped to deal with this pressure, which causes tremendous leaks and leaves a concrete structure at risk to deterioration. Thus, only the absolute best waterproofing system would be adequate for the project.

## SOLUTION

In 1985 the exterior face of the powerhouse wall below the dam was treated with the brush on Krystol T1 & T2 Waterproofing system - the Batman and Robin of the concrete waterproofing world.

A review conducted seven years later in 1992 confirmed that the Kryton Krystol T1 & T2 Waterproofing system was working well with all areas completely dry.

### OWNER:

BC Hydro

### ENGINEER:

BC Hydro  
UMA Engineers

### APPLICATOR:

Dalcan Constructors

### DISTRIBUTOR:

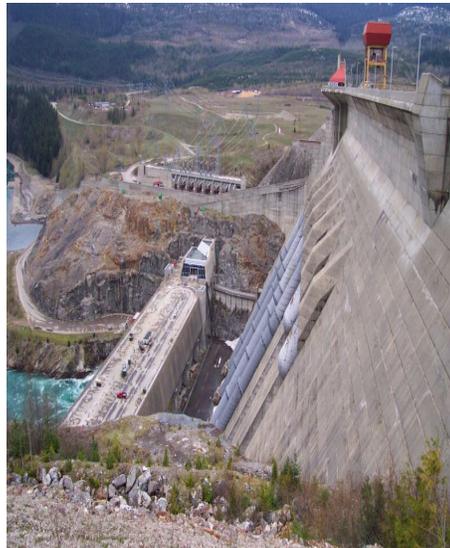
Kryton International Inc.

### PRODUCTS:

Learn more at [kryton.com](http://kryton.com)  
Krystol T1® & T2® Waterproofing System



*Kryton Krystol T1® & T2® Waterproofing system was used to waterproof the exterior face of the powerhouse wall.*



*Over two million cubic meters of concrete was used to build the dam.*