



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

CATHLEENS FALL HYDRO DAM RIVER ERNE, IRELAND



**CONCRETE
WATERPROOFING**

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QUESTIONS: 1-800-267-8280 or www.kryton.com

BACKGROUND

The River Erne, at 60 miles long, is the second largest waterway in Ireland and has been the source of major hydroelectric development since 1946. One of the two massive hydroelectric dam structures on the waterway, Cathleens Fall, needed structural repairs to the 25 meter deep vertical shaft that runs through the body of the dam. The shaft is open to the upstream reservoir and was found to be a source of leakages as the river's average flow is 92 m³ per second, rising to over 400 m³ during a flood. In 1999, Krytol™ waterproofing was chosen to repair the leaking shafts.

SOLUTION

According to the Supervising Engineer, of the Electric Supply Board for all of Ireland, "KIM™ was used as an additive to reduce shrinkage of the new concrete and reducing leakage paths."



LOCATION

River Erne, Ireland

OWNER

Government of Ireland

APPLICATOR

Irishenco Construction Ltd.

DISTRIBUTOR

ICCT Ltd.

ENGINEER

Electrical Supply Board (ECB)

PROJECT CASE STUDY

The Kryton Group of Companies.

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