

Bennett Spring Fish Hatchery

Lebanon, Missouri, USA

Industry

Government

Products

Krytol Internal Membrane
(KIM)

Project Completion

July 2024

Client

Missouri Department of
Conservation

Concrete Producer

Ozark Ready Mix

Kryton Distributor

Sustain Admixtures



SMART CONCRETE®

Background

The Missouri State Park system purchased 573 acres of land, including the Bennett Spring Fish Hatchery, in the 1920s. Since then, families from across the state have enjoyed recreational fishing in the cold, clear stream. Operated by the Missouri Department of Conservation, the hatchery supplies approximately 400,000 rainbow and brown trout to recreational anglers annually, generating over \$187 million in economic impact each year according to the U.S. Fish & Wildlife Service.

To maintain the hatchery's appeal and functionality for future generations, the Missouri Department of Conservation initiated a significant renovation project in 2023.

Challenges

Several areas of the concrete infrastructure at the Bennett Spring Fish Hatchery were deteriorating, leading to concerns about leakage and further degradation. Additionally, the Department of Conservation aimed to implement more fish-friendly methods and expand the facility to accommodate more fish, necessitating robust and waterproof concrete solutions.

Solution

The engineers at the Department of Conservation initially specified a different crystalline admixture for waterproofing. However, Ozark Ready Mix recommended Krytol Internal Membrane (KIM) due to its superior performance.

The renovation involved several steps:

- **Concrete Removal:** The damaged concrete at the hatchery was chipped out.
- **Concrete Pouring:** 17,000 pounds of Krystol Internal Membrane (KIM) were incorporated into the concrete used for the hatchery's repair and expansion. KIM's hydrophilic crystalline technology ensures permanent waterproofing by reducing concrete permeability and eliminating the need for surface-applied membranes.



Results

The integration of Krystol products has made the Bennett Spring Fish Hatchery permanently resistant to water ingress, preventing future structural corrosion and deterioration.

With Kryton's innovative waterproofing technology, the Bennett Spring Fish Hatchery is now poised to continue providing exceptional fishing experiences and economic benefits to Missouri for many generations to come.

Krystol Internal Membrane was the perfect solution for an iconic landmark in such a high traffic touristic part of Missouri.

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