



Hali Dam

Saudi Arabia

Client
 Ministry of water & electricity

Sector
 Water Utilities

DATE
 May 2009

PRODUCTS

- Conplast AE 300
- Conplast SP 423
- Rearguard S 250 mm
- Supercast SW30, SWX
- Nitobond EP

THE PROJECT

The Hali Dam is a gravity dam on Wadi Hali about 14 km east of Keyad in Makkah Province of south-western Saudi Arabia. The dam has many purposes to include flood control, irrigation, municipal water supply and groundwater recharge. The dam's reservoir has a total storage of 249,860,000 m³, making it the second largest in the country after the King Fahad Dam.

The Dam is 384m in length, 71m in width at the base and 8m width at the top crest.

The dam was constructed between 2003 and 2009 by Al-Dakheel Contracting Company. It is owned and operated by the Ministry of Water and Electricity.

THE SOLUTION

The Fosroc team joined the contractors from the beginning of the project and made all trials to achieve the requirement for the concrete. Fosroc products helped the client achieve the required high quality results starting from the first stage with Supercast waterstop, Rearguard S and coatings Nitobond EP, Nitoproof 10 along with more than 0.5 million litres of Fosroc admixtures.

THE BENEFITS

The client benefited from being able to contract with a single party for the various types of construction demands, giving an economical solution that could be applied rapidly and to the required specification.



Construction stage



Valley side view of the dam



Final view of the project