

## Reference

### Repair Ground Water Tanks

Repair of two ground water tanks of the highway A4, Cham/ZG



#### Facts

**Products:**  
D-ZERO  
SUPERFIBER 200/12

**Duration of the project:**  
August to December  
2002

**Building owner:**  
**Civil engineering office**  
Kanton Zug

**Concrete supplier:**  
Holcim (Cham) AG

**Realization:**  
Walo AG

#### Requests

The defective covering concrete of the two ground water tanks Städtlerallmend and Blickensdorf was removed and replaced by a new, 6 cm thick covercrete layer in an extensive renovation. The length of the element reached as much as 8 m.

The following requests on the covercrete were made:

- Self-compacting.
- No durability-relevant cracking and no separation from the underground.
- High frost and de-icing salt resistance.

#### Solution and judgement

A Concretum Hightech Concrete was chosen for the repair. To meet all requirements, Concretum® D-ZERO (formulated as self-compacting concrete) was used in combination with Concretum® SUPERFIBER 200/12.

Note: A prototype of the product was used for this project. Concretum® D-ZERO is based on all relevant material properties of this prototype.