

## Reference

### Runway Repair

#### Repair of runways at the airport Zurich (Unique)/ZH



#### Requests

Single damaged plates of runways and landing fields have to be replaced in an extremely short time during the night. Only 5 hours after the beginning of the demolition work, the runway has to be ready again for the air traffic. Furthermore, the requests on cracking as a result of shrinkage and hydration heat development are very high.

#### Solution and judgement

For this task, the rapid-hardening concrete Concretum® Q-FLASH was chosen, which meets all requirements in an optimal way. Thanks to the addition of Concretum® SUPERFIBER 660/30, steel reinforcement was completely unnecessary which lead - compared to conventional concrete solutions - to savings in cost and time. Due to the high material strength (compression and flexural strength) and a high volume stability, the concrete solution of Concretum is far better than black covering.

#### Facts

##### Products:

Q-FLASH 2h  
SUPERFIBER 660/30

##### Duration of the project:

Oktober 2003 to June  
2006

##### Building owner:

Unique (Flughafen Zürich  
AG)

##### Concrete supplier:

Holcim Kies & Beton AG,  
Glattbrugg. Hastag  
(Zurich) AG, Zurich

##### Realization:

ARGE (Batigroup, Walo,  
Specogna)