

Reference

Repair Reppischbrücke, Birmensdorf (ZH)

Repair of bridge plate and replacement of shoulder curb



Situation

The busy Reppischbrücke at the beginning of Birmensdorf/ZH was completely repaired in 2007. The strongly chloride-contaminated shoulder curbs were replaced. The old carriageway surfacing was removed and the battle deck bridge floor repaired.

Solution and judgement

To reliably avoid shrinkage cracking in the freshly constructed shoulder curbs and to guarantee a long repair-free occupancy period of the bridge for the future, the low-shrinking type of concrete Concretum® D-ZERO Plus was used. To keep the construction time and the disturbance of the traffic as low as possible, the rapid-drying type of concrete Concretum® Q-FLASH 10h was used for the repair of the battle deck bridge floor. The choice of this material allowed the sealing and shortly afterwards the surfacing only 48 hours after the concreting work. Concretum® D-ZERO and Concretum® Q-FLASH 10h meet all requirements to a high-quality FT-concrete (C30/37, XC4, XD3, XF4) and can be listed pursuant to norm SN EN 206-1.

Facts

Products:

Q-FLASH 10h, D-ZERO Plus

Duration of the project:

June to August 2007

Building owner:

Civil Engineering Office
Kanton Zürich

Contractor:

Locher AG Zurich

Concrete supplier:

HASTAG (Zurich)

