

Reference

Building of the distribution center of DHL Regensdorf/ZH

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Setting of the task

In summer 2007, the worldwide active logistics and express-transportation company DHL constructed a new distribution center in Regensdorf/ZH. In front of the building a shunting and parking area of 4'500 m² was constructed. To guarantee the requested tensile strength of the 5.0 x 5.5 m carriageway slabs high modulus polymer fibers were used.

Solution and judgement

The concrete for the production of the carriageway slabs was reinforced with 4 kg/m³ of Concretum® SUPERFIBER 300/15. These high modulus polymer fibers were selected because they have many advantages in comparison to steel fibers. They provide advantages in terms of corrosive behaviour, treatment of the concrete surface and working properties (danger of injuries, abrasion of machines).

Facts

Products:
SUPERFIBER 300/15

Duration of the project:
July to August 2007

Building owner:
DHL

Realization:
TIBAU AG

Concrete supplier:
HASTAG (Zürich)