

## Concretum Q-FLASH 2/20

### Rapid-Hardening Concrete

Concretum® Q-FLASH 2/20 is a rapid-hardening concrete. It is ready for reloading only two hours after mixing. Furthermore, Concretum® Q-FLASH 2/20 dries very fast which accelerates the construction process.

#### Applications

- All sorts of rapid-hardening concrete applications.
- In general for casting concrete structures that dry extremely fast.
- Replacement or maintenance of carriageway slabs of airport runways and aircraft stands.
- Repair and casting of concrete carriageways with very short off-times.
- Maintenance of concrete roads and concrete pavements.
- Replacement and maintenance of solid railway basements.
- Production of precast concrete elements with short stripping times.

#### Material properties

- Concretum® Q-FLASH 2/20 enables the production of concrete elements which feature a compressive strength  $f_c$  of at least 20 N/mm<sup>2</sup> about two hours after concrete mixing.
- After 6 hours Concretum® Q-FLASH 2/20 arrives at a moisture content of 4.0 CM-%. This allows continuing working (e.g. application of waterproofing on bridges or building of floorings).
- Depending on temperature and water content, the workability of Concretum® Q-FLASH 2/20 is good for 45 to 75 minutes after concrete mixing.
- Concretum® Q-FLASH 2/20 features low shrinkage ( $\epsilon_{cs}(t = \infty)$  max. 0.3 ‰) and low heat of hydration. Therefore, construction units made of Concretum® Q-FLASH 2/20 show low risk of cracking and are immensely durable.
- Depending on the application, Concretum® Q-FLASH 2/20 can be reinforced by Concretum® SUPERFIBER and SUPERFIBER H. Please take notice of the product information on SUPERFIBER 40/8 and SUPERFIBER H.

#### Further information

- [References](#)
- [Sources of supply](#)



Application e.g. for the reconstruction of airport runways with very short off-times.