

## Underwater concrete

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**This is a product suitable for use in all types of non-reinforced structures under water. It is very cohesive, even without water repellent additive.**

### Functional refinement

Underwater concrete is used for casting non-reinforced structures under water. Betongindustri's underwater concrete is stable and very cohesive, reducing the risk of washout and sludge formation during pouring. The consistency of underwater concrete ensures that the formwork is satisfactorily filled.

### Areas of application

- All types of non-reinforced structures under water
- Base slabs round temporary sheet piling which can then be dewatered as a working platform.
- Note that HydroBI must be used in cases where the under water casting is part of the structure according to AMA Construction

### Handling tips

Pour with a concrete pump and a delivery pipe ending in a nozzle valve in order to minimise risk of washout. We recommend starting pouring with a cement content of 400 kg/m<sup>3</sup>. After 5 – 10 m<sup>3</sup> you can reduce this to 350 kg/m<sup>3</sup>. Finish off by carefully vibrating the surface layer.

### Technical summary

- Strength class C28/35
- Cement content 350 kg/m<sup>3</sup> or 400 kg/m<sup>3</sup> respectively
- Maximum aggregate size 16 mm or 27 mm respectively
- The slump at the time of site delivery is normally 16 cm, ± 2 cm (S4)
- Normally available with Anlæggingscement CEM I 42.5 N-SR 3 MH/LA but other cement alternatives are possible.
- Fulfills most of the composition and property requirements of AMA Construction