Betongindustri
HEIDELBERGCEMENT Group

HydroBI

HydroBI is a strongly water-repellent underwater concrete which ensures a high quality of your underwater castings.

Good visibility during pouring

The main benefit of HydroBI's strong water-repellency is that you retain good visibility in the water during the whole pouring process. You avoid annoying washout and sludge formation and thus increase your control over the process.

Consistently high quality

Thanks to its water-repellent additive, HydroBI is highly stable and cohesive. This reduces the risk of separation and gives you a better end result, fulfilling all requirements in AMA Building and Construction for underwater cast constructions.

Easy to work

As HydroBI is self-compacting, no vibration is required. This makes it quick and simple to pour. The good flow properties of the concrete ensure that the formwork is well filled. HydroBI is also strongly retarded. This means that it takes a long time before strength development starts, an advantage when you need to work with the concrete for an extended period of time.

Handling tips

HydroBI is normally cast from a concrete pump and the work should be carried out by a person with good knowledge of underwater casting. Start at the lowest point to minimise risk of washout. Keep the pump pipe nozzle under the concrete surface throughout the pour.

Areas of application

- HydroBI is suitable for all types of underwater casting.
- Where there is a requirement for visibility in the water as casting proceeds
- For underwater casting of foundations, slabs and working platforms

Technical summary

- Fulfils the requirements for underwater cast structures in the AMA Building and Construction
- Guaranteed strength of min. C28/35
- Normally available with Anläggningscement CEM I 42.5 N–SR 3 MH/LA but other cement options are possible
- Contact Technical Customer Service in good time before delivery
- The following grades are available as standard:

Strength class:	Slump class	Minimum cement content, kg/m³	D_{max}, mm
HydroBI C28/35	S5, SKB SF1 – SF2	350[1)	16[2)