

KajBI-B

Do you have structures where casting starts under water and concludes above the water surface? In that case, the salt-frost resistant underwater concrete KajBI is the perfect alternative for you.

Specially developed for splash zones

KajBI is a frost-resistant underwater concrete with anti-washout agent, specially developed for splash zones in marine environment. The concrete's water-repellent properties combined with its frost resistance are great benefits, as you can cast the whole structure continuously with the same type of concrete.

Documented salt-frost resistance

KajBI has been specially developed for structures which are partially under water. To meet the strict requirements for frost-resistance, the concrete has been subject to extensive pre-testing. As a result you can be certain that KajBI fulfils requirements on salt-frost resistance in the harshest environments, corresponding to exposure class XF4.

Easy to obtain a good result

As KajBI is strongly water-repellent, you minimise the risk of sludge formation or washout when casting under water. Due to the high stability and cohesiveness of KajBI the risk of separation is also minimal. KajBI is produced in a self-compacting consistency, which means that it compacts and fills out the form work and covers the reinforcement on its own. The high flowability gives smooth surfaces, ensures quick work and contributes to a good, flexible working environment.

Areas of application

- Quays
- Head beams
- Foundations of marine structures

Handling tips

Pour KajBI with a concrete pump. For best results, an underwater shutter should be used. Keep the hose nozzle below the surface of the concrete during the entire pour. You will not need to vibrate, as KajBI fills the formwork and covers the reinforcement on its own.

Technical summary

- Meets requirements for exposure class XF4
- Available with Anläggningscement CEM I 42.5 N-SR 3 MH/LA or Anläggningscement FA CEM II/A-V 42.5 N-NSR MH/LA
- The following grades are available as standard:

Strength class	Slump class	D _{max} , mm	Max. WCR _{equiv}
KajBI C32/40	SF1/SF2	8 or 16	0.45
KajBI C35/45	SF1/SF2	8 or 16	0.40
KajBI C40/50	SF1/SF2	8 or 16	0.40