Betongindustri
HEIDELBERGCEMENT Group

# FrostBI

**Will your outdoor construction be exposed to repeated freezing in the presence of humidity and salt? Frost BI has verified high salt-frost resistance which meets the strict requirements of exposure class XF4.**

## Documented tolerance to extreme environments

FrostBI is a freeze-tested and production-controlled concrete that is composed to withstand extreme environments. The frost resistance is documented by pre-testing and continuous verification to fulfil the requirements of AMA Anläggning, SS-EN 206 and SS 137003.

## Areas of application

FrostBI is designed for all outdoor structures in extreme environments.

- Environments aggressive to concrete in exposure class XF4
- Structures exposed to repeated freezing and thawing in environments with high chloride contents
- Marine structures
- Bridges and road tunnels exposed to road salts

## Available in self-compacting version

FrostBI is also offered in a self-compacting version, FrostBI SKB. Self-compacting FrostBI requires no external vibration to compact the concrete so as to fill out the formwork and envelop the reinforcement. The high flowability gives smooth surfaces, ensures quick work and contributes to a good, vibration-free working environment.

## Handling tips

FrostBI is poured and cured in the same way as ordinary concrete. Remember that vigorous steel trowelling should be avoided, as in certain cases this can increase the risk of surface lamination.

## Technical summary

- Meets requirements for exposure class XF4
- Fulfils Swedish Standards SS137244, SS-EN 206 and SS 137003
- Fulfils AMA Building and Construction and current concrete standards
- 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
- Also available as self-compacting FrostBI SKB (slump class SF1 – SF2)
- If requested in good time, FrostBI can also be supplied in higher strength classes. The following grades are available as standard:

| Strength class | Slump classes | $D_{max}$, mm | $vct_{max}$ |
|---|---|---|---|
| FrostBI C32/40 | S2 – S5, SKB SF1 – SF2 | 16 or 27* | 0.45 |
| FrostBI C35/45 | S2 – S5, SKB SF1 – SF2 | 16 or 27* | 0.40 |
| FrostBI C40/50 | S2 – S5, SKB SF1 – SF2 | 16 or 27* | 0.40 |

Har du frågor? Teknisk Kundservice guidar dig rätt +46 8 625 62 00 kundservice@betongindustri.se
**www.betongindustri.se**