

# Concrete with Anläggningscement

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**The low heat development of Anläggningscement reduces the risk of thermal cracking in mass concrete and medium-thickness sections.**

## Durable and safe

Concrete with Anläggningscement has high sulphate resistance and low alkali content, making it particularly suitable in environments where there is a risk of sulphate attack and/or alkali silica reactions. Another favorable property is that the temperature development of concrete with Anläggningscement is rather low due to the low heat of hydration of Anläggningscement. This means that the risk of thermal crack formation is reduced – a big advantage in medium-thickness sections or mass concrete. The low temperature development can also be advantageous in thinner sections, particularly in cases where the restraint from adjacent structures is significant.

## Areas of application

- Medium-thickness sections and mass concrete where it is desirable to avoid thermal cracking.
- Thin sections where restraint from surrounding structures is significant
- Constructions requiring high sulphate resistance, e.g. piles and foundations in contact with soil and water
- Where there is a risk of alkali silica reactions, e.g. in agricultural environments or if alkali reactive aggregates are used.

## Technical summary

- Available with Anläggningscement CEM I 42.5 N – SR3 MH/LA or Anläggningscement FA CEM II/A-V 42,5 N – MH/LA/NSR
- Meets Swedish Standards SS-EN 206-1 and SS-EN 197-1
- High sulphate resistance SR 3 or NSR
- Moderate heat development (MH)
- Low alkali content (LA)