

CO₂ SAVINGS IN CONCRETE PRODUCTS

CONCRETE ADMIXTURES

26 MILLION TONS

of potential CO₂ savings in 2025 enabled by the use of concrete admixtures



Concrete Admixtures

Water-reducing admixtures enable lower water demand and cement use optimization. Four concrete qualities were assessed:

- Low-quality concrete
- Standard concrete
- Quality concrete
- High-quality concrete

Reference

The savings are calculated for all Sika Group comparing to the same concrete qualities without any admixtures (plain concrete).

Assessment Details

Functional Unit (FU): 1 m³ of concrete

Service Life: 50 years

Assessment Time: 2025

Scope: Global

System Boundaries: Concrete admixtures are produced by Sika, sold to concrete producers, and added as part of the concrete mixing process.

System Boundaries

