

CO₂ SAVINGS IN CONCRETE PRODUCTS

CONCRETE ADMIXTURES

22 MILLION TONS

of potential CO₂ savings in 2024 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

Assessment Details

Functional Unit (FU): 1 m³ of concrete

Service Life: 50 years

Assessment Time: 2024

Scope: Global

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

Reference

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

System Boundaries

