PCE CONCRETE ADMIXTURE

# TENSYL PCE Plasticiser

TENSYL PCE Plasticiser is a polycarboxylate-ether admixture for concrete mix development and production.

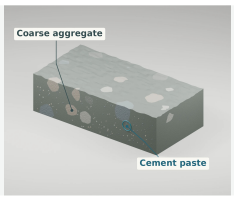
SUPPLY REFERENCE

| | |
|---|---|
| **Supply options** | 200 kg drum and IBC. |

200 kg is the drum reference; IBC net contents and current availability remain unconfirmed.




*Packaging illustration.*



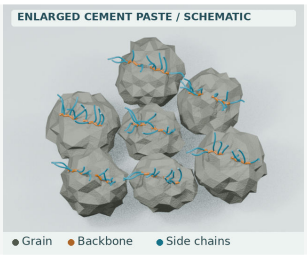

*Conceptual concrete section; not to scale.*

## Uses and benefits

### Ready-mix, precast and pumped concrete

For mixes developed around the required placing workability and retention.

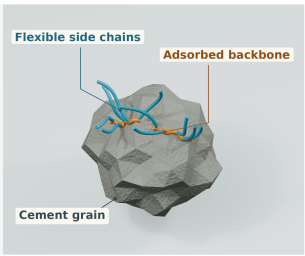
### Dispersion in cement paste




*General PCE mechanism; particle and molecular scales are independently enlarged. Timing is illustrative.*

Fang et al., Materials 2023: PCE adsorption and dispersion
Sika ViscoCrete technology: general mechanism, pp. 10–11

### PCE at the cement grain




In a general PCE mechanism, polymer backbones adsorb on cement grains while flexible side chains extend into the pore solution, helping keep the grains dispersed under mixing.

*General PCE mechanism; molecular scales are illustrative.*

## Application notes

Formulation-specific instructions set the dose range, cement-versus-total-binder dosage basis and addition sequence. Trials with the actual binder, aggregates and other admixtures establish compatibility and performance under expected placing, transport and temperature conditions.

No universal water reduction, strength gain or retention time is specified. Solids, density, pH, chloride content, storage conditions and shelf life are not established here.

The illustrations show a general PCE mechanism, not verified TENSYL formulation chemistry or product performance.

Product overview. The applicable technical and safety data sheets govern application and handling.