



Duomix®

Our recommendations, from handling to pumping

Handling



Before adding fibres

Bekaert recommends:

- Use of central batching plant mixer is preferred
- A continuous grading and sieve curve
- Sufficient fines and mortar content

Note:

- A high dosage of Duomix® will reduce the slump
- Add water reducing agents (superplasticizers) to adjust the slump to meet the requirements
- Conducting a pre-construction material compliance test is advised

Dosing

Plant mixers

- Introduce fibres with sand and aggregates
- Add fibres to fresh mixed concrete

Truck mixers

- We recommend not adding the fibres in a drum filled completely with concrete in order to achieve even fibre distribution
- Speed: add fibres continuously at a maximum of 5 kg/min

Mixing

Run maximum drum rotation during the addition of fibres.

Mixing time depends on the efficiency of the mixing equipment

Quality control

- Workability
- Air content
- Dramix® Duo: Ensure separation of steel fibre bundles

Before using fibre concrete, a preliminary test must be done

Pumping

Hose diameter > 80 mm

For complicated pump lines or concrete compositions, a trial is recommended prior to execution
