



Duomix®

## Our recommendations, from handling to pumping

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### Handling



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### Before adding fibers

**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

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### Dosing

#### Plant mixers

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

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#### Truck mixers

- We recommend not adding the fibers in a drum filled completely with concrete in order to achieve even fiber distribution
- Speed: add fibers continuously at a maximum of 11 lb/min

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### Mixing

Run maximum drum rotation during the addition of fibers.

Mixing time depends on the efficiency of the mixing equipment

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### Quality control

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

Before using fiber concrete, a preliminary test must be done

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### Pumping

Hose diameter > 3.5 in.

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