Dramix®

Our recommendations, from handling to pumping

Stacking of units — Safety precautions

Transport
- By truck: no stacking allowed
- By container: allowed with precautions*

Warehouse storage
- Racks: no stacking allowed
- Floor: allowed with precautions*

** Precautions: obtain stability of the upper unit (e.g. put wooden plate in between)*

Handling

Before adding fibers

Maximum dosage depends on:
- Concrete composition
- Placing method
- Type of application

Bekaert recommendations:
- Preferably use a central batching plant mixer
- A continuous grading and sieve curve
- Sufficient fines and mortar content

Note:
- Depending on dosage and fiber type, fibers reduce the slump
- Adjust required consistency preferably with mid-range or high-range water reducers
- If you plan to work with glued fibers, stored in < 42 °F, in combination with automatic dosing systems, please contact our organization beforehand.

Dosing

Plant mixers
- Introduce fibers together with sand and aggregates, OR: Add fibers to fresh mixed concrete
- Never add fibers as a first component

Truck mixers
- Add fibers continuously at a maximum of 90 lb/min
- Never add fibers as a first component
- Never fill drum completely with concrete in order to achieve even fiber distribution

Mixing

Plant mixers
No special mixing requirements in terms of speed or time of mixing.

Truck mixers
- Run maximum drum rotation during the addition of fibers.
- After addition of fibers, continue mixing the concrete for 45 sec/yd³ with a minimum of 5 minutes.

Mixing time depends on the efficiency of the mixing equipment

Quality control
- Workability
- Air content
- Separation of fiber bundles when using glued fibers
- Homogenious fiber distribution in the concrete

Before using fiber concrete, a preliminary test must be done

Pumping

Hose diameter > 3.5 in.
Place the shute min. 14 in. above the concrete pump hopper grill.

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

Bekaert