

Dramix[®]

| ng fibres | | unit (e.g. put wooden plate in between) Bekaert recommendations: • Preferably use a central batching plant mixer • A continuous grading and sieve curve • Sufficient fines and mortar content | |
|-----------------------------------|---|---|--|
| ng fibres | Concrete composition Placing method Type of application <i>Note:</i> Depending on dosage and fibre type | Preferably use a central batching planmixer A continuous grading and sieve curve | |
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| | Depending on dosage and fibre ty | | |
| | Note: Depending on dosage and fibre type, fibres reduce the slump Adjust required consistency preferably with mid-range or high-range water reducers If you plan to work with glued fibres, stored in < 6° C, in combination with automatic dosing systems, please contact our organization beforehand. | | |
| Plant mixers | Introduce fibres together with sand and aggregates, OR: Add fibres to fresh mixed concrete <u>Never</u> add fibres as a first component | | |
| Truck mixers | Add fibres continuously at a maximum of 40 kg/min <u>Never</u> add fibres as a first component <u>Never</u> fill drum completely with concrete in order to achieve even fibre distribution | | |
| ds on the ixing equipment | Run maximum drum rotation during the addition of fibres. After addition of fibres, continue mixing the concrete for 1 min./m³ with a minimum of 5 minutes. | | |
| rol concrete, a ust be done | Workability Air content Separation of fibre bundles when using glued fibres Homogenious fibre distribution in the concrete | | |
| | Hose diameter > 80 mm Place the shute min. 35 cm above the concrete pump hopper grill. | | |
| | mixers Truck mixers ds on the ixing equipment rol | Plant • Introduce fibres together with samixed concrete mixers • Never add fibres as a first compo Truck • Add fibres continuously at a maxi mixers • Add fibres continuously at a maxi Never add fibres as a first compo • Never add fibres as a first compo Truck • Add fibres continuously at a maxi mixers • Never add fibres as a first compo • Never fill drum completely with condistribution • Never fill drum completely with condistribution ds on the ixing equipment • Run maximum drum rotation duri • After addition of fibres, continue minimum of 5 minutes. • Workability • Air content • Separation of fibre bundles when • Homogenious fibre distribution in • Hose diameter > 80 mm | |





Dramix® OL Types

| 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* | |
|--|---------------------------------|--|---|--|
| Handling | | *Precautions: obtain stability of the upper unit | : (e.g. put wooden plate in between) | |
| Before adding fibres | | Maximum dosage depends on: • Concrete composition • OL type | Bekaert recommends: • Only use a central batching plant mixer • A continuous grading and sieve curve | |
| | | Note: • High dosage OL types can reduce t • Adjust required consistency prefera reducing agents | he slump heavily Ibly with water reducing or high water | |
| Dosing | Plant mixers | Add fibres to fresh mixed concrete <u>Never</u> introduce fibres with sand and aggregates <u>Never</u> add fibres as a first component | | |
| | | Speed: 80 kg/min when using a con Speed: 80 kg/min when using an au | - | |
| | Truck mixers | Never dose OL fibres in the truckmin | xer | |
| Mixing Mixing time dep efficiency of the | ends on the mixing equipment | <u>Never</u> dose OL fibres in the truckmix | er | |
| Quality control Before using fibre concrete, a preliminary test must be done | | Workability Air content Homogenious fibre distribution in the concrete | | |
| Pumping | | Hose diameter > 80 mm For complicated pump lines or concrete compo | sitions, a trial is recommended prior to execution | |





Duomix[®]

| 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 | | |
| | | \cdot Speed: add fibres continuously at a maximum of 5 kg/min | | |
| Mixing Mixing time depends on the efficiency of the mixing equipment | | Run maximum drum rotation during the addition of fibres. | | |
| - | ontrol ibre concrete, a st must be done | Workability Air content Dramix[®] Duo: Ensure separation of steel fibre bundles | | |
| Pumping | | Hose diameter > 80 mm For complicated pump lines or concrete compositions, a trial is recommended prior to execution | | |





Synmix®

| Handling Before adding fibres | | | |
|--|-----------------|---|--|
| | | Bekaert recommends: Preferably use a central batching plant mixer A continuous grading and sieve curve Sufficient fines and mortar content Optimum slump before fibre addition > 12 cm Note: Depending on dosage and fibre type, fibres reduce the slump Adjust required consistency preferably with water reducing or high water reducing agents | |
| Dosing | Plant mixers | Introduce fibres with sand and aggregates Add fibres to fresh mixed concrete <u>Never</u> add fibres as a first component | |
| | Truck mixers | <u>Never</u> add fibres as a first component <u>Never</u> fill drum completely with concrete in order to achieve even fibre distribution | |
| | | Speed: add fibres continuously at a maximum of 5 kg/min | |
| Mixing Mixing time depends on the efficiency of the mixing equipment | | Drum rotation speed > 12 rpm After addition of fibres, continue mixing the concrete for 1 min./m³ with a minimum of 5 minutes. | |
| Quality control Before using fibre concrete, a preliminary test must be done | | Workability Air content Homogenious fibre distribution in the concrete | |
| Pumping | | Hose diameter > 80 mm For complicated pump lines or concrete compositions, a trial is recommended prior to execution | |

