

Dramix® BOOSTER:



- Exact dosing of the Dramix® steel fibers
- Reduces the workload at the plant
- Increases the occupational safety and flexibility
- Minimizes your waste
- Your tailor-made solution
- Just-in-time deliveries

Dramix® TANKER:



- Exact dosing of the Dramix® steel fibers
- Increased productivity
- Increases the occupational safety
- Bulk deliveries up to 1100kg (2,425 lb)
- Dramix® TANKER 1100: removable tray
- Dramix® TANKER 1500: dosing speed of 150kg/min (330 lb/min)

Other Bekaert building products

- Murfor® - masonry reinforcement
- Stucanet® - plastering mesh
- Widra® - corner beads
- Mesh Track - road reinforcement








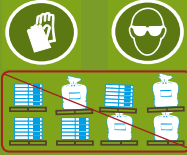





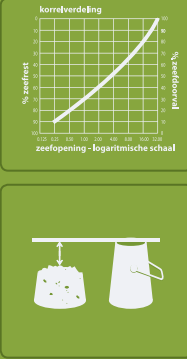


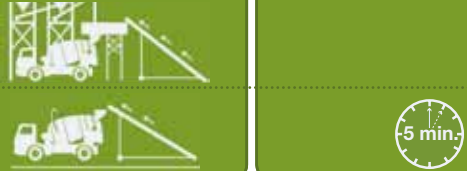





Bekaert Corporation
Building Products
1395 S. Marietta Parkway,
Bldg 500 Suite 100,
Marietta, GA 30067
P 800.555.1775
F 770.426.8107

building.us@bekaert.com
<http://dramix.bekaert.com>

design by BOA-inc.be - 51.03.19

Recommendations for handling, dosing and mixing



		Dramix® 	Dramix® Easy Dose 	Dramix® OL Types 	Duomix® 	Synmix® 
HANDLING		- Gloves and eye protection must be used! - Keep dry  - No stacking	- Gloves and eye protection must be used! - Keep dry  - No stacking	- Gloves and eye protection must be used! - Keep dry  - No stacking	- Gloves and eye protection must be used! - Keep dry  - No stacking	- Gloves and eye protection must be used! - Keep dry  - No stacking
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 - Optimum slump before fiber addition > 5 in Note: - Depending on dosage and fiber type, fibers reduce the slump - Adjust required consistency preferably with water reducing or high water reducing agents	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 - Optimum slump before fiber addition > 5 in Note: - Depending on dosage and fiber type, fibers reduce the slump - Adjust required consistency preferably with water reducing or high water reducing agents	Maximum dosage depends on: - Concrete composition - OL type Bekaert recommends: - Only use a central batching plant mixer - A continuous grading and sieve curve - Sufficient fines and mortar content Note: - High dosage OL types can reduce the slump - Adjust required consistency preferably with water reducing or high water reducing agents	Bekaert recommends: - Preferably use a central batching plant mixer - A continuous grading and sieve curve - Sufficient fines and mortar content - Optimum slump before fiber addition > 5 in Note: - Depending on dosage and fiber type, fibers reduce the slump - Adjust required consistency preferably with water reducing or high water reducing agents	Bekaert recommends: - Preferably use a central batching plant mixer - A continuous grading and sieve curve - Sufficient fines and mortar content - Optimum slump before fiber addition > 5 in Note: - Depending on dosage and fiber type, fibers reduce the slump - Adjust required consistency preferably with water reducing or high water reducing agents
DOSING		 Bags are non degradable				
		<ul style="list-style-type: none">✓ Introduce fibers with sand and aggregates✓ Add fibers to fresh mixed concrete✗ Never add fibers as a first component	<ul style="list-style-type: none">✓ Introduce fibers with sand and aggregates✓ Add fibers to fresh mixed concrete✗ Never add fibers as a first component	<ul style="list-style-type: none">✗ Never introduce fibers with sand and aggregates✓ Add fibers to fresh mixed concrete✗ Never add fibers as a first component- Speed: 10kg/min (22 lb/min) when using a conveyer belt- Speed: 20 kg/min (44 lb/min) when using a automatic dosing system	<ul style="list-style-type: none">✓ Introduce fibers with sand and aggregates✓ Add fibers to fresh mixed concrete✗ Never add fibers as a first component	<ul style="list-style-type: none">✓ Introduce fibers with sand and aggregates✓ Add fibers to fresh mixed concrete✗ Never add fibers as a first component
		<ul style="list-style-type: none">✗ Never add fibers as a first component✗ Never fill drum completely with concrete in order to achieve even fiber distribution✓ Add fibers continuously at a maximum of 40 kg/min (88 lb/min) Test blower/blast equipment prior to use with Dramix® steel fibers (this equipment is not needed with Dramix® fibers).	<ul style="list-style-type: none">✗ Never add fibers as a first component✗ Never fill drum completely with concrete in order to achieve even fiber distribution Speed: Dramix® Easy Dose fibers (RB types) can be dosed continuously at a maximum of 60 kg/min (132 lb/min)	<ul style="list-style-type: none">✗ NEVER: dose OL fibers in the truckmixer	<ul style="list-style-type: none">✗ Never add fibers as a first component✗ Never fill drum completely with concrete in order to achieve even fiber distribution - Speed: add fibers continuously at a maximum of 5 kg/min (11 lb/min)	<ul style="list-style-type: none">✗ Never add fibers as a first component✗ Never fill drum completely with concrete in order to achieve even fiber distribution - Speed: add fibers continuously at a maximum of 5 kg/min (11 lb/min)
MIXING		Mixing time depends on the efficiency of the mixing equipment <ul style="list-style-type: none">✓ Drum rotation speed > 12 rpm- Mixing time: after adding all fibers, mix 1.3 minute/yd3 concrete but not less than 5 min	Mixing time depends on the efficiency of the mixing equipment <ul style="list-style-type: none">✓ Drum rotation speed > 12 rpm- Mixing time: after adding all fibers, mix 1.3 minute/yd3 concrete but not less than 5 min	Mixing time depends on the efficiency of the mixing equipment <ul style="list-style-type: none">✗ NEVER: dose OL fibers in the truckmixer	- Mixing time depends on the efficiency of the mixing equipment <ul style="list-style-type: none">✓ Drum rotation speed > 12 rpm- Mixing time: after adding all fibers, mix 1.3 minute/yd3 concrete but not less than 5 min	- Mixing time depends on the efficiency of the mixing equipment <ul style="list-style-type: none">✓ Drum rotation speed > 12 rpm- Mixing time: after adding all fibers, mix 1.3 minute/yd3 concrete but not less than 5 min
QUALITY CONTROL		 Before using fiber concrete, a preliminary test must be done - Workability - Air content - Separation of fiber bundles when using glued fibers - Homogenous fiber distribution in the concrete	 Before using fiber concrete, a preliminary test must be done - Workability - Air content - Homogenous fiber distribution in the concrete	 Before using fiber concrete, a preliminary test must be done - Workability - Air content - Homogenous fiber distribution in the concrete	 Before using fiber concrete, a preliminary test must be done - Workability - Air content - Dramix® Duo: Ensure separation of steel fiber bundles - Homogenous fiber distribution in concrete	 Before using fiber concrete, a preliminary test must be done - Workability - Air content - Homogenous fiber distribution in the concrete
PUMPING		Hose diameter > 1.5 x fiber length For complicated pump lines or concrete compositions, a trial is recommended prior to execution	Hose diameter > 1.5 x fiber length For complicated pump lines or concrete compositions, a trial is recommended prior to execution	Special pump test program is required	Hose diameter > 1.5 x fiber length For complicated pump lines or concrete compositions, a trial is recommended prior to execution	Hose diameter > 1.5 x fiber length For complicated pump lines or concrete compositions, a trial is recommended prior to execution