

**BEKAERT**

better together

# Dramix® 4D

## steel fiber reinforcement for jointless floors

The perfect balance between  
cost-efficiency and performance

### Benefits

- 1 Optimized crack control
- 2 Durable performance
- 3 Cost-saving construction

## Why choose Bekaert?

Dramix® 4D is a unique steel fiber concept that enables you to build jointless floors for high-intensity traffic and high-bay warehouses. Its high impact resistance and crack control increases the durability of your floors without the need for mesh. As a result, Dramix®4D is a cost-efficient solution for more demanding applications.



### Durable products

Bekaert develops, produces and sells high quality, steel wire building materials. We offer architects, designers and contractors innovative reinforcement products that meet the needs of the present day construction industry, in which speed, total cost of ownership, safety and durability are of crucial importance.

### Why choose a jointless floor?

Repairing and maintaining floor joints is one of the main challenges of warehouse or production managers. Concrete near joints can get easily damaged under the continuous strain of static and dynamic loading. For these applications, jointless floors are the preferred solution. Jointless floors are not only more durable and aesthetically pleasing; fewer joints and less curling means that forklifts and other warehouse vehicles can navigate more smoothly.



### Technological diversification

Bekaert is active in many different industries. We regularly develop new technologies and products that go beyond the trends in the building industry. These include: new specialized production processes for steel cords, high strength steel fibers and a wide range of advanced materials and coatings.

### Proven technology

Bekaert invests heavily in the quality and efficiency of its building materials. Engineers and universities all over the world investigate and test the possibilities of our new products, proving their efficiency in a myriad of building and renovation projects.

## How does Dramix® 4D steel fiber benefit your jointless floor?

- ① **Optimized crack control** – The hooked ends of the steel fiber combined with a high length-diameter ratio results in a dense network that improves the load bearing capacity of your concrete slab, protecting it against cracking and fatigue.
- ② **Durable performance** – The fibers are glued together, preventing concrete balling. Consequently, Dramix® 4D fibers are spread homogenously, resulting in a thinner, yet stronger reinforced floor.
- ③ **Cost-saving construction** – Using Dramix® 4D eliminates the need for more expensive and time consuming traditional reinforcement solutions. At the same time, the thickness of the concrete slab can be optimized, enabling further saving on material.

## The right reinforcement for your application

Dramix® 4D is the recommended solution for more demanding flooring applications such as:

- heavily trafficked floors that are subject to joint wear
- warehouse floors that use automatic guided vehicles
- flat floors in high rack warehouse
- large area distribution centers

### Feel free to ask

Do you need help with choosing the most suitable fiber type, dosage and concrete quality for your jointless floor?

Do you need advice on the best use of our fiber reinforcement?

Our team of experts is readily available to assist you at each step of your project.

### Our services include:

- slab design
- construction detailing
- concrete optimization
- total quality control procedures for the contractor

All our calculation tools and methods comply with international standards.



Contact us

More  
Information?

Bekaert Corporation  
1395 S. Marietta Pkwy  
Building 500; Suite 100  
Marietta, GA 30067  
1-800-241-4126  
infobuilding@bekaert.com  
<http://dramix.bekaert.com>

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