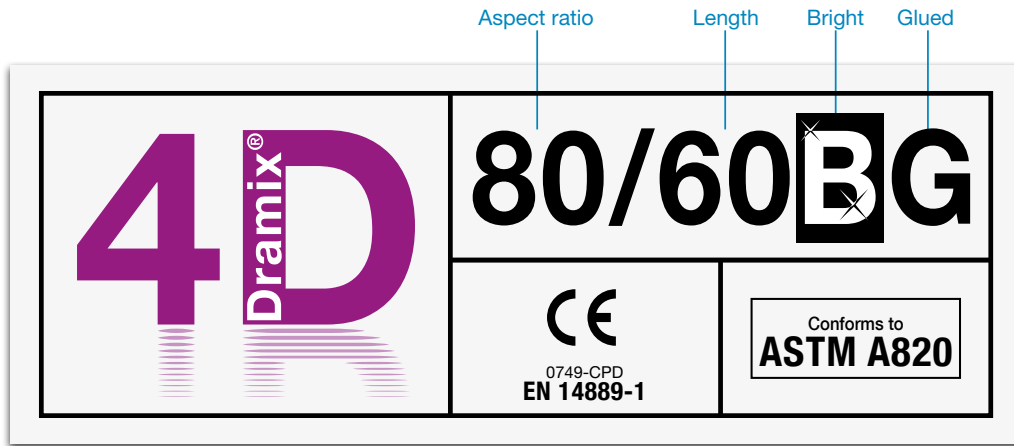


# Data sheet

## Dramix®



### DRAMIX® 4D



The Dramix® 4D series is designed with optimal serviceability and performance in mind. Its tensile strength and anchorage are engineered specifically to be used in high strength concrete.

The high tensile strength of 1.800 N/mm<sup>2</sup>, in combination with the special 4D end hook makes this fibre ideal for concrete classes up to C70.

High strength concrete + High tensile wire + optimised 4D hook gives exceptional post crack behaviour.

#### Dramix® 4D is the cost effective solution for

- > Precast tunnel segments
- > Precast beams
- > Precast structures

Bekaert offers all of the support you need for your project. We can help you determine the most suitable fibre types, calculate the optimal dosages, and select the right concrete quality.

Contact your local support.

Go to [www.bekaert.com/dosingdramix](http://www.bekaert.com/dosingdramix) for our recommendations on handling, dosing and mixing.

Modifications reserved.  
All details describe our products in general form only.  
For detailed information, product specifications available on request.

### PERFORMANCE

#### Material properties

**Tensile strength:**  $R_{m, nom}$ : 1.800 N/mm<sup>2</sup>  
Tolerances: ± 7,5% Avg

**Young's Modulus:** ± 210.000 N/mm<sup>2</sup>

#### Geometry

**Fibre family** 4D



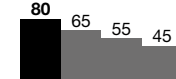
**Length (l)** 60 mm



**Diameter (d)** 0,75 mm



**Aspect ratio (l/d)** 80



#### Fibre network

2,9 km per m<sup>3</sup> (for 10 kg/m<sup>3</sup>)  
4.584 fibres/kg

**Minimum dosage:**  
10 kg per m<sup>3</sup> (according to CE)

#### Dramix® range

5D 4D 3D

Tensile strength			
Wire ductility			
Anchorage strength			

### PRODUCT CERTIFICATES



Dramix® is certified for structural use according to EN 14889-1 (system '1'). Detailed information is available on request.

### SYSTEM CERTIFICATES



All Dramix® plants are ISO 9001 and ISO 14001 certified.

### PACKAGING



**BAGS** 20 kg



**BIG BAG** 1100 kg

### STORAGE



Manufactured by

**BEKAERT**

better together