



Fibres for Concrete

FIBRES FOR CONCRETE & MORTAR MIXES

Date: 30 October 2018

Fact Sheet No.: TDS01996

YOUR SMART ADVANTAGES

- Minimises cracking and shrinkage in mortar and concrete
- Improves freeze/thaw resistance
- Easy to disperse in the mix

USES

Bostik Fibres for Concrete are easy to use and minimise cracking and shrinkage in mortar and concrete. They easily disperse evenly into the mix. Bostik Fibres for Concrete comply with the requirements of EN 14889-2:2006, Class 1a.

They are suitable for use in mortar and concrete for floor slabs, external hard standing, paths and drives.

PRODUCT CHARACTERISTICS

Colour	Natural
Form	Micro fibres
Specific Gravity	0.905 g/cm ³
Composition	Polypropylene fibres
Product Code	30612568 150g x 10 (EN/PL/RO) 30612569 150g x 10 (FR/ES/PT) 30612570 750g x 8 (EN/PL/RO) 30612571 750h x 8 (FR/ES/PT)
Storage/Shelf Life	Store for up to 36 months from date of manufacture in original, unopened packaging under cool, dry conditions within the temperature range of +5°C to +25°C and out of direct sunlight. Protect from frost.

TYPICAL PERFORMANCE DATA (Approx.)

Mix Ratio	75g fibres to 25kg cement
Fibre length	12mm (+/- 1.5mm)
Equivalent diameter	22 µm (tolerance -0,9/+1,3 µm) (EN 14889-2:2006)
Tensile strength (approx.)	380 MPa (tolerance - 100MPa (EN 14889-2:2006)
Melting point	165°C

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Fibres for Concrete refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

APPLICATION

1. Select the appropriate mix design and in a suitable mixer thoroughly mix the required quantity of aggregate, sand & cement together. Only add materials into the mixer when it is switched off.
2. Once mixed add 75g fibres per 25kg cement. Proportion dose accordingly if using less or more cement.
3. Switch on the mixer and thoroughly mix the aggregate, sand, cement and fibres to ensure even dispersion throughout the mix.
4. Add water as required for the mix design and thoroughly mix.
5. Do not add any admixtures into the mix.

CLEANING

6. Clean tools and equipment immediately after use with water.

PRECAUTIONS IN USE

These fibres are not suitable for use in structural mortar or concrete. Ensure materials and procedures comply with the appropriate standards. Do not exceed ratios stated. Do not use with other admixtures.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see Health and Safety Data Sheet for Bostik Fibres for Concrete, available at www.bostik.com/uk.



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No: TDS01996

Product Description: **Bostik Fibres for Concrete**

Product Code: **5010591004085, 3549212479879, 5010591006041 & 3549212479893**

Intended Use: **For non-structural use in mortar, grout and concrete**

Manufacturer: **Bostik Ltd**
Contact Address: **Ulverscroft Road
Leicester
LE4 6BW**

System of Assessment: **System 3**

Harmonised Standard: **EN 14889-2: 2006**

Class: **1a**

Declared Performance:

Essential Characteristics	Performance	Tolerance	Harmonised technical specification
Length	12mm	+/-1.5mm	EN 14889-2: 2006
Linear Density	3,5 dtex	+/-3,5 dtex	
Equivalent Diameter	22 µm	-0,9/+1,3 µm	
Tensile strength	380 MPa	-100 MPa	
Tenacity	42 cN/tex	-11,0 cN/tex	
Vebe time - 0,6kg	6,3 (4,7) s		
Vebe time - 0,75kg	NPD		
Vebe time - 0,9kg	5,3 (4,7) s		
Vebe time - 0,91kg	NPD		
Vebe time - 1,0kg	NPD		
Vebe time - 1,2kg	NPD		

The performance of the product Bostik Fibres for Concrete 5010591004085, 3549212479879, 5010591006041 & 3549212479893 is in conformity with the declared performance shown in the table above.

This declaration of performance is issued under the sole responsibility of Bostik Ltd.

Signed for and on behalf of Bostik Ltd by:

Name: Marrienne Drayton

Function: Quality Manager

Signature:



Date: February 2018

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Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDSs, and if in any doubt, contact the Company, quoting the code number in the top right hand corner on the front of this document.

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