



# Cempolatex Fibreflex

## FIBRE REINFORCED UNDERLAYMENT

Date: 25 November 2019

Fact Sheet No.: TDS01796

### YOUR SMART ADVANTAGES

- Fibre reinforced and highly flexible
- Rapid setting
- Suitable with underfloor heating

### USES

Bostik Cempolatex Fibreflex is a flexible levelling compound reinforced with fibre. It can be applied between 3 - 30mm thicknesses in a single application (5mm maximum total thickness on mastic asphalt screeds). It is suitable for use with warm water underfloor heating installations provided a maximum surface temperature of 27°C is not exceeded. The heating must be switched off at least 48 hours before and after application.

Bostik Cempolatex Fibreflex can be used for smoothing and levelling sound strong substrates where minimal vibration or lateral movement occurs. Bostik Cempolatex Fibreflex can be laid over most common substrates including: concrete, sand/cement screeds, stone, anhydrite screeds, rigid metal, terrazzo & quarry tiles, and asphalt and other strong, rigid subfloors. It may also be used over sound firmly bonded timber flooring such as 12mm flooring grade (S101) plywood and P5 chipboard provided the timber is mechanically fixed. Bostik Cempolatex Fibreflex should not be used over old adhesive or water soluble residues.

Bostik Cempolatex Fibreflex is totally protein and casein free, making it suitable for use in biologically sensitive areas. The low odour formulation makes Bostik Cempolatex Fibreflex ideal for use in occupied buildings. It is suitable for normal wear in commercial locations. Not to be used as a wearing surface. For interior use only.

Bostik Cempolatex Fibreflex has excellent workability and flow characteristics, is self-smoothing and can be trowelled to a 3mm thickness. It may be used to encapsulate electrical radiant underfloor heating mats. A minimum of 5mm covering before bonding tiling products and 10mm before bonding resilient textile or timber flooring. The substrate to which the UFH matting is fixed must be sound and stable. Bostik Cempolatex Fibreflex should always be covered with a floor covering. Bostik Cempolatex Fibreflex is not affected by heat from warm water underfloor heating systems, electrical radiant mats or in glazed areas. Warm water underfloor heating must be switched off at least 48 hours before and after applying the compound. Electrical

underfloor heating must be left switched off for a minimum of 7 days after application of Bostik Cempolatex Fibreflex.

### PRODUCT CHARACTERISTICS

Form	Dry, free flowing powder
Composition	Blend of cement, organic binders and fillers
Product Code	30606658 25kg
Storage/Shelf Life	Store for up to 6 months from date of manufacture when stored in original, unopened packaging clear of the ground and under cool, dry conditions. Protect from excessive draughts, damp, condensation, dew, etc.

### TYPICAL PERFORMANCE DATA (approx.)

Gauging liquid	Water
Application Temperature	5°C to 35°C
Coverage	Approx. 5.2m <sup>2</sup> per 25kg bag at 3mm thickness
Application Thickness	3mm to 30mm
Working Time	20 minutes approx. after mixing
Drying Times	Foot traffic: 4 hours approx. (<3mm thickness) at 20°C Loose lay floor coverings: 8 hours approx. (<3mm thickness) at 20°C Bond floor coverings: 12 hours approx. at 20°C Note: Drying/covering times will be extended at lower temperatures.
Compressive Strength	>30 N/mm <sup>2</sup> at 28 days

## DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Cempolatex Fibreflex refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://www.bostik.com/uk).

## PREPARATION

1. Ensure the subfloor is clean, sound, dry and of adequate tensile and compressive strength, free from laitance, cracks and structural defects and conforms to BS 8102: Code of Practice for protection of structures against water from the ground.
2. Any contaminants that may hinder adhesion, such as grease, dust, some curing compounds and moisture sensitive adhesive residues must be completely removed.
3. Any deep depressions in the floor should be filled with Bostik Rapid Repair Mortar and allowed to dry.

### Wooden Surfaces:

4. The timber substrate should be solidly fixed and clean with open joints over laid with flooring grade plywood. The plywood must be sealed to prevent moisture ingress on the underside and all edges. The plywood should be sealed with Bostik Cempolay Universal Primer to stop the ingress of moisture.

## PRIMING

5. In all cases the subfloor must be primed prior to application of the smoothing compound as below. Follow the instructions of the specific primer container and technical data sheet for application and drying details.
- 6.

<b>Absorbent substrates:</b>	Bostik Cempolay Universal Primer (diluted 1:2 with water)
<b>Dense/non-absorbent substrates including epoxy membranes</b>	Bostik Cempolay Universal Primer (for applications above 10mm, consult Technical Services)
<b>Calcium sulphate screeds:</b>	Consult Technical Services
<b>Wooden floors: (must be mechanically fixed)</b>	Bostik Cempolay Universal Primer (diluted 1:2 with water)
<b>Flooring grade mastic asphalt screeds,</b>	Bostik Cempolay Universal Primer neat (for applications up to 5mm max)
<b>Metal decking:</b>	Consult Technical Services
<b>Radiant underfloor heating systems:</b>	Consult Technical Services

## MIXING

7. Pour 5 litres of cold, clean water into a clean mixing bucket. Gradually add the 25kg bag of Bostik Cempolatex Fibreflex powder to the water whilst continually mixing with an electric drill and mixing paddle until a smooth lump-free mixture is obtained. This will normally be achieved after 2 minutes and not before.

8. Do not under mix. Leave to mature for a minimum of 2 minutes to optimise flow and use within working time (approx. 20 minutes).
9. The correct mix permits best results from a minimum of 3mm up to 30mm in a single application. Where deeper sections are required, Bostik Cempolatex Fibreflex can be applied between 3 to 30mm thicknesses in a single application (5mm maximum total thickness on mastic asphalt screeds). Any subsequent layer applications are best performed as soon as the first layer is set for walking but still damp. If it is dry, an intermediate primer coat of Bostik Cempolay Universal Primer (diluted 1:2 with water) is required.

## APPLICATION

10. Spread evenly over the floor surface with a steel screeding trowel to give the required thickness. Once laid, a second troweling can be carried out after 15 to 30 minutes depending on site conditions.

## DRYING TIMES

11. A room temperature of 13°C to 18°C should be maintained for at least 24 hours prior to the application with a subfloor temperature of at least 5°C during application.
12. Ceramic, textile, vinyl and wooden floor coverings can be laid directly onto Bostik Cempolatex Fibreflex after the following times:

<b>Foot traffic:</b>	4 hours (<3mm thickness) at 18°C
<b>Loose lay floor coverings:</b>	8 hours (<3mm thickness) at 18°C
<b>Bond floor coverings:</b>	12 hours at 20°C

13. Bostik Cempolatex Fibreflex should be protected from strong sunlight and through draughts as this can dehydrate the product resulting in incorrect curing.

## CLEANING

14. Clean tools and equipment with warm, soapy water immediately after use, whilst the product is still wet.

## PRECAUTIONS IN USE

For any application not covered please contact Technical Services on +44 (0) 1785 272625 or visit [www.bostik.com/uk](http://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 separate Health and Safety Data Sheet for Bostik Cempolatex Fibreflex Smoothing Compound, available at [www.bostik.com/uk](http://www.bostik.com/uk)

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION  
DECLARATION OF PERFORMANCE**

**No.:TDS01796**

Product Description: **BOSTIK CEMPOLATEX FIBREFLEX**  
Product Code: **5010591000032**  
Intended Use: **Cementitious Screed Material**  
Manufacturer: **Bostik Ltd**  
Contact Address: **Common Road  
Stafford  
ST16 3EH**  
System of Assessment: **System 4**  
Harmonised Standard: **EN 13813:2002**  
Declared Performance: **CT-C30-F7**

Essential Characteristics	Performance	Harmonised technical specification
Reaction to fire	<b>F<sub>fl</sub></b>	<b>EN 13813:2002</b>
Compressive Strength	<b>&gt;30 N/mm<sup>2</sup></b>	
Flexural Strength	<b>&gt;7 N/mm<sup>2</sup></b>	

The performance of the Bostik Cempolatex Fibreflex 5010591000032 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:** Alison Jamieson

**Function:** S.H.E.Q. Manager

**Signature:** 

**Date:** Dec 2014

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