



# Cempolates Rapid 30

## RAPID SETTING AND DRYING SMOOTHING COMPOUND

Date: 25 November 2019

Fact Sheet No.: TDS01904

### YOUR SMART ADVANTAGES

- Rapid dry technology
- Loose lay in around 45 minutes
- Bonded floor coverings from 3 hours

### USES

Bostik Cempolates Rapid 30 is a high strength, polymer modified, cementitious underlayment for smoothing uneven floors prior to laying decorative floor coverings. It can be laid over most common substrates including: cementitious screeds, concrete floors, calcium sulphate screeds and other strong, rigid subfloors.

Bostik Cempolates Rapid 30 is protein-free so may be used in biologically sensitive installations. It should always be covered with a floor covering.

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.

For radiant underfloor heating systems, please consult Technical Services.

Bostik Cempolates Rapid 30 should only be used on subfloors protected from moisture from the ground and residual construction moisture. Do not use prior to applying surface DPM's. It is not recommended for use over old adhesive residues. Please contact Bostik technical services for the appropriate smoothing compound.

### PRODUCT CHARACTERISTICS

Form	Dry, free flowing powder
Colour	Cream
Composition	Cement/polymer
Product Code	30608113 16kg

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 damp, condensation, dew, etc.
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### TYPICAL PERFORMANCE DATA (approx.)

Gauging liquid	Water
Application Temperature	+5°C to +25°C
Coverage	Approx. 5m <sup>2</sup> at 2mm thickness per 16kg bag Approx. 2m <sup>2</sup> at 5mm thickness per 16kg bag
Application Thickness	2mm to 10mm
Working Time	5-10 minutes approx. after mixing
Drying Times	Foot traffic: 30 minutes approx. at 3mm thickness at 20°C Loose lay flooring coverings: 45 minutes approx. at 20°C Floor coverings: 3 hours approx. (<5mm thickness) 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 Cempolates Rapid 30, 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 free from laitance, cracks, structural defects and conforms to BS 8102: Code of Practice for protection of structures against water from the ground. Subfloors should be tested for residual construction moisture. For readings above 75% RH a suitable Bostik surface membrane must be used.

- Any contaminants that may hinder adhesion, such as grease, dust, some curing compounds and adhesive residues must be completely removed.

#### PRIMING

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

<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 neat
<b>Calcium sulphate screeds:</b>	Consult Technical Services
<b>Radiant underfloor heating systems:</b>	Bostik Screedmaster Epoxy Primer

#### MIXING

- Pour 3.2 litres of cold, clean water into a clean mixing bucket. Gradually add the 16kg bag of Bostik Cempolatex Rapid 30 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. Do not under mix. Use the mixture immediately.
- Based on good ambient conditions of 20°C the product will remain workable for approximately 5-10 minutes after mixing.
- If the mix stiffens before it has been spread, it must be discarded. Do not add further water or liquid.

#### APPLICATION

- Pour the mixed material onto the floor. Using a smooth edge steel trowel, smooth over the wet product to gain the desired heights and smooth surface texture.
- Bostik Cempolatex Rapid 30 can be spike-rolled to improve the surface finish if desired. This should be done shortly after application whilst Bostik Cempolatex Rapid 30 is still fluid. Do not spike roller once the product has begun to gel or set as this will create imperfections.
- On large projects, it is advisable to work in teams of 2 to ensure applications to existing wet edges can be maintained.
- If a second application of Bostik Cempolatex Rapid 30 is required, this can be carried out after approximately 45 minutes. Prime the first layer with Bostik Cempolatex Universal Primer (diluted 1:2 with water), allow the primer to dry.

#### APPLICATION THICKNESS

- Generally, a depth of 2mm to 10mm is permissible except for non-absorbent subfloors such as surface DPMs, which require a minimum of 3mm of Bostik Cempolatex Rapid 30 to ensure adequate absorbency for subsequent adhesives.

#### DRYING TIMES

- Based on good ambient conditions of 20°C the product will remain workable for approximately 10 minutes after mixing.
- It will take light foot traffic after 30 minutes and will be ready to receive loose floor coverings in as little as 45 minutes.

<b>Foot traffic:</b>	30 minutes approx. (<5mm thickness) at 20°C
<b>Loose floor coverings</b>	45 minutes approx. (<5mm thickness) at 20°C
<b>Floor coverings:</b>	3 hours approx. (<5mm thickness) at 20°C

- The product should be protected from strong sunlight and through draughts as this can dehydrate the product resulting in incorrect curing.

#### COVERAGE

- Approx. 4m-5m<sup>2</sup> at 2mm thickness per 16kg bag
- Approx. 2.m<sup>2</sup> at 5mm thickness per 16kg bag

#### CLEANING

- Clean tools and equipment immediately after use with warm, soapy water, 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 Rapid 30, 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.:TDS01904

Product Description: **BOSTIK CEMPOLATEX RAPID 30**  
Product Code: **5010591000490**  
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	F	EN 13813:2002
Compressive Strength	>30 N/mm <sup>2</sup>	
Flexural Strength	>7 N/mm <sup>2</sup>	

The performance of the Bostik Cempolatex Rapid 30 5010591000490 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:** November 2016

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