



# Cempolatex 1 Pack

## A CEMENT BASED LATEX SUB-FLOOR SMOOTHING COMPOUND

Date: 25 November 2019

Fact Sheet No.: TDS00179

### YOUR SMART ADVANTAGES

- Flexible and rapid setting
- Suitable for use with underfloor heating
- Protein free formulation

### USES

Bostik Cempolatex 1 Pack is a latex modified, protein-free self-smoothing subfloor compound. It has excellent bonding properties and good flexibility that will accommodate the movement of closely fitted suspended flooring. It is easy to apply and has good flow.

Bostik Cempolatex 1 Pack is suitable for interior use. It is suitable for use with warm water underfloor heating systems provided a surface temperature of 27°C is not exceeded. The heating must be switched off for at least 48 hours before and after application. Bostik Cempolatex 1 Pack is ideal for smoothing and levelling properly prepared concrete, sand/cement screeds, quarry tiles, rigid timber floors, stone, brick and terrazzo floors, asphalt floors. Bostik Cempolatex 1 Pack may also be used as a floor topping/concrete re-surface with the addition of Bostik SBR, and for patching up to 100mm thickness. Bostik Cempolatex 1 Pack is suitable for warm water underfloor heating systems when used as a levelling compound.

### PRODUCT CHARACTERISTICS

|                  |   |
|------------------|---|
| Form             | Dry, free flowing powder                                      |
| Colour           | Grey  |
| Composition      | Protein-free, polymer modified Portland cement based compound |
| Odour            | Low   |
| Specific Gravity | 1.6 approx.   |
| Solids Content   | 100%  |

|                    |  |
|--------------------|--|
| Product Codes      | 30812516 25kg  |
| Storage/Shelf Life | Store for up to 6 months from date of manufacture when stored in the original, unopened packaging, clear of the ground, under cool, dry conditions within the temperature range of +5°C to +30°C. Protect from frost and excessive draughts. |

| TYPICAL PERFORMANCE DATA (approx.) |  |
|------------------------------------|--|
| Application Temperature            | 5°C to 25°C  |
| Application Thickness              | 3-5mm  |
| Coverage                           | Approx. 5m <sup>2</sup> at 3mm thickness<br>Approx. 3m <sup>2</sup> at 5mm thickness   |
| Working Time                       | Approx. 20 minutes at 20°C   |
| Drying Times                       | Foot traffic: 2 to 4 hours approx. at 20°C<br>To lay floor covering: 16 hours approx. at 20°C<br>Re-surfacing: 4 weeks before protective coating<br>Note: Drying/covering times will be extended at lower temperatures |
| Compressive Strength               | ≥ 16 N/mm <sup>2</sup> at 28 days  |

### DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Cempolatex 1 Pack refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://www.bostik.com/uk)

All phases of installation should comply with the latest editions of:

BS CP102 Code of Practice for protection of buildings against water from the ground.

BS 5325 Code of Practice for installation of textile floor coverings.  
BS 8203 Code of Practice for installation of resilient floor coverings.

#### PREPARATION

1. Use personal protective equipment as required.
2. Ensure the floor and air temperature remains above 5°C throughout the application and during drying.
3. Surface preparation is essential even on new concrete or existing levelling compounds.
4. Ensure the subfloor is sound, clean, dry, free from surface laitance and contamination such as grease or thick layers of old adhesive residue or bitumen.
5. Ensure there is an effective damp-proof membrane that conforms to BS 8203:1987.
6. Fill any deep depressions (20 - 25 mm) using a mixture of Bostik Cempolatex 1 Pack and sharp sand. Trowel to a smooth finish. Allow 24 hours before proceeding, 48 to 72 hours if more than 50% of the floor is patched.
7. Switch off underfloor heating at least 48 hours before application and keep switched off for at least 48 hours after to ensure complete drying has occurred.

#### Wooden Floors:

8. Bostik Cempolatex 1 Pack can be applied over mosaic and wood blocks directly bonded to solid floors when there is an effective damp-proof membrane in or beneath the sub-floor.
9. Bostik Cempolatex 1 Pack is suitable for use on stiff suspended floors constructed of chipboard, plywood or tongue and groove boards provided there is adequate ventilation under the floor.
10. Do not use on floors with a flexible surface, e.g. plain edge boards
11. Do not use on boarded floors where joists are fixed directly to concrete because of lack of ventilation and consequent risk of decay.

#### PRIMING

12. Prime very porous surfaces or extremely dry surfaces with Bostik Cempolay Universal Primer diluted with 2 parts water. Allow to dry before applying Bostik Cempolatex 1 Pack.
13. Prime non-porous surfaces with undiluted Bostik Universal Primer and apply Bostik Cempolatex 1 Pack.

#### MIXING RATIO

##### Levelling compound:

14. 25 kg Bostik Cempolatex 1 Pack to 5 litres clean, cold water.

##### Filling compound for depressions 20 - 25mm:

15. 25 kg Bostik Cempolatex 1 Pack to 5 litres water to 25kg sharp, dry sand.

##### Floor topping & patching compound for depressions 25-100 mm deep:

16. 25 kg Bostik Cempolatex 1 Pack to 3.5 litres to 1.5 litres Bostik SBR to 25 kg sharp, dry sand.

#### Asphalt and adhesive contaminated surfaces:

17. 25 kg Bostik Cempolatex 1 Pack to 3.5 litres water to 1.5 litres Bostik SBR.

#### MIXING

18. Slowly add Bostik Cempolatex 1 Pack to clean, cold water according to application ratios above.
19. Stir continuously until a smooth, homogenous paste is attained using an electric stirrer or electric drill with paddle.
20. Do not mix more compound than you can use in approximately 20 minutes.
21. Do not re-temper or add water.
22. When adding sand always add after gauging the powder.

#### APPLICATION

##### Flooring compound:

23. Apply a thin scrape coat with a plasterer's trowel to difficult surfaces such as quarry tiles. Not recommended for general application use.
24. Immediately pour and spread the rest of the mix on the subfloor to a minimum of 3 mm thickness and a maximum thickness of 5 mm.
25. Leave for approximately 16 hours before applying floor covering. Discard mix if it starts to gel.
26. Protect the surface from damage prior to laying a floor covering.

##### Filling compound:

27. For depressions 20 - 25 mm deep add sharp sand. See mix ratios. Trowel to a smooth finish.
28. If 50% or more of the area is patched leave for 48 to 72 hours before proceeding.

##### Patching compound:

29. For depressions 25 - 100 mm deep modify mix with Bostik Cementone SBR. See mix ratios.
30. Prime area to be patched with Bostik Universal Primer diluted in the ratio 1 part SBR to 2 parts water. Brush in well.
31. Allow to dry for approx. 1 hour.
32. Pack the hole with 10 - 20mm aggregate (pea gravel) leaving a 5mm gap at the surface.
33. Pour the SBR modified Bostik Cempolatex compound into the aggregate until all the voids are filled just covering the aggregate.
34. Allow to set for approx. 4 hours.
35. Finish by levelling off with a further layer of SBR modified Bostik Cempolatex One Pack.

##### Asphalt and sub-floors contaminated with sound adhesive residue:

36. Modify the mix with Bostik SBR. See Mixing Ratio section.

**Floor topping on concrete or screed surfaces:**

37. Modify mix with Bostik SBR. See Mixing Ratio section.
38. Prime area with Bostik Universal Primer diluted in the ratio 1 part Bostik Universal Primer to 2 parts water. Brush in well.
39. Allow to dry for approx. 1 hour.
40. Apply the SBR modified Bostik Cempolatex 1 Pack compound and allow to dry. Protect from damage.

**CLEANING**

41. Clean tools and equipment immediately after use with soapy water.
42. Do not allow to cure. Once cured, can only be removed mechanically.

**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 1 Pack 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.:TDS00179

Product Description: **BOSTIK CEMPOLATEX 1 PACK**  
Product Code: **5011734036659**  
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-C16-F6**

| Essential Characteristics | Performance                  | Harmonised technical specification |
|---------------------------|------------------------------|------------------------------------|
| Reaction to Fire          | <b>F</b>                     | <b>EN 13813:2002</b>               |
| Compressive strength      | <b>≥ 16 N/mm<sup>2</sup></b> |                                    |
| Flexural Strength         | <b>≥ 6 N/mm<sup>2</sup></b>  |                                    |

The performance of the Bostik Cempolatex 1 Pack 5011734036659 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:** May 2014

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|--------------------|--------------------|-------------------|--|
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| Safety Data Sheets | Tel: 01785 272625  | Fax: 01785 212962 | <a href="mailto:sds.box-eu@bostik.com">sds.box-eu@bostik.com</a>               |