



Cempolay

A CEMENT BASED SELF-LEVELLING COMPOUND

Date: 3 October 2019

Fact Sheet No.: TDS00276

YOUR SMART ADVANTAGES

- Smooths and levels
- Trowels to a feather edge
- Protein free formulation

USES

Bostik Cempolay is a protein-free self levelling compound based on a blend of cements and organic binders. It is suitable only for smoothing and levelling interior subfloors prior to laying decorative floor coverings. It is not suitable for exterior use, use in damp conditions or as a final floor topping.

Bostik Cempolay is ideal for smoothing/levelling of concrete, sand/cement screeds and unglazed ceramic tiles.

PRODUCT CHARACTERISTICS

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| Form | Dry, free flowing powder |
| Colour | Grey |
| Composition | Blend of cement, organic binders and fillers |
| Specific Gravity | 1.6 approx. |
| Product Code | 30812514 25kg |
| Storage/Shelf Life | Store for up to 6 months from date of manufacture when stored in original, unopened packaging, clear of the ground, under cool, dry conditions within the temperature range of 5°C to 25°C. Protect from frost and excessive draughts. |

TYPICAL PERFORMANCE DATA (approx.)

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|-------------------------|--|
| Application Temperature | 5°C to 25°C |
| Application Thickness | 0-5mm |
| Coverage | 3kg/m ² at 2mm thickness (25kg will cover approximately 8m ²) 7.5kg/m ² at 5mm thickness (25kg will cover approximately 3m ²) |
| Working Time | 15 to 20 minutes approx. at 20°C |
| Drying Times | Foot traffic: 2 to 4 hours approx. at 20°C. To lay floor coverings: 16 hours approx. at +20°C Note: Drying/covering times will be extended at lower temperatures. |
| Compressive Strength | ≥ 16 N/mm ² at 28 days |

DIRECTIONS FOR USE

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

All phases of installation must 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. Wear protective gloves, clothing and eyewear.

2. Ensure the floor and air temperature remains above 5°C throughout the application and during drying.
3. The freshly applied compound should be protected from high temperatures and conditions causing rapid drying.
4. Ensure the subfloor is clean, sound, dry, free from surface laitance and any contaminants that may hinder adhesion, including surface hardeners, additives, oils, grease adhesive residue etc. Bostik Cempolay does not tolerate any contamination, so if any is present then ensure it is removed completely.
5. Ensure there is an effective damp-proof membrane that conforms to BS 8203: 1987.
6. Any cracks must be cleaned out and filled with a suitable patch repair mortar.
7. The subfloor must be tested in accordance with British Standards using a properly calibrated and insulated hygrometer. A reading of 75% RH or less confirms that the subfloor is satisfactorily dry.
20. Immediately pour the rest of the mixture onto the sub-floor, as a continuous operation.
21. Trowel lightly from 5mm to a featheredge.
22. For coatings varying from 5mm min up to 15mm, add sharp sand as described above and trowel to a smooth finish.
23. Leave for approx. 16 hours before applying floor covering.
24. Protect the surface from damage prior to laying a floor covering.
25. Avoid application in high temperatures as this may result in rapid setting and poor flow. The rapid loss of water may increase the risk of cracking.
26. A room temperature of 13°C to 20°C should be maintained with a minimum floor temperature of 5°C throughout the curing period.

PRIMING

8. Prime porous surfaces with Bostik Cempolay Universal Primer diluted with 2 parts water. Allow to dry before applying Bostik Cempolay.
9. Prime non-porous surfaces/unglazed ceramic tiles with undiluted Bostik Cempolay Universal Primer.
10. Not suitable for installations with underfloor heating.

MIXING RATIO

Up to 5mm thickness :

11. 25kg Cempolay to 5 litres water.

5mm to 15mm thickness :

12. 25kg Cempolay to 25kg dry sharp sand to 5 litres water.

MIXING

13. Add Bostik Cempolay to clean cold water according to the mixing ratios above.
14. If using volume ratios adjust as necessary to achieve the correct consistency.
15. Stir continuously until a smooth, homogenous paste is achieved, using an electric stirrer or electric drill with paddle.
16. Do not mix more compound than you can use in 15 minutes.
17. When adding sand always add after gauging the powder. Sand must be dry.
18. Do not re-temper or add further water.

APPLICATION

19. Pour some of the mixture onto the subfloor and apply a thin scrape coat using a plasterer's trowel.

DRYING TIMES

27. Under good site conditions Bostik Cempolay will normally take foot traffic 2 to 4 hours after application (at 20°C). The walk on time and setting time will be delayed if the powder has been stored at lower temperatures.
28. Under no circumstances should the smoothing compound be force dried as this will affect the curing process. The working area should be protected from direct sunlight and through draughts which may cause localized accelerated curing. The working time of the compound will be reduced at higher temperatures.

CLEANING

29. Clean tools and equipment immediately after use with warm soapy water.
30. Surplus material must be removed from surrounds and tiled surfaces while it is still wet.
31. Remove bulk using rubber squeegee.
32. Remove the residue of uncured material using a damp cloth.
33. Do not allow to cure. Once cured it 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 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, available at www.bostik.com/uk

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No.:TDS00276

Product Description: **Bostik CEMPOLAY 25 kg**
Product Code: **5011734001572**
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**
Notified Body:
Declared Performance: **CT-C16-F6**

| Essential Characteristics | Performance | Harmonised technical specification |
|---------------------------|------------------------------|------------------------------------|
| Reaction to Fire | F_{fl} | EN 13813:2002 |
| Compressive strength | ≥ 16 N/mm² | |
| Flexural Strength | ≥ 6 N/mm² | |

The performance of the Bostik Cempolay (5011734001572), 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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| Safety Data Sheets | Tel: 01785 272625 | Fax: 01785 212962 | sds.box-eu@bostik.com |