



Cempolatex Rapid 30

RAPID SETTING SELF-LEVELLING COMPOUND

TECHNICAL SHEET NO: TDS01904 12/04/2024

SMART ADVANTAGES

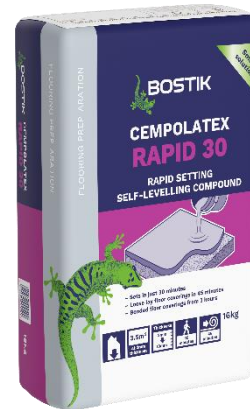
- Sets in just 30 minutes
- Loose lay floor coverings in 45 minutes
- Bonded floor coverings from 3 hours

DESCRIPTION

Bostik Cempolatex Rapid 30 is a rapid setting, high-strength, polymer modified, cementitious underlayment for smoothing uneven floors prior to laying decorative floor coverings. The advanced formulation allows floor coverings to be laid in as little as 45 minutes, making it ideal for fast-track installations or quick turnaround projects. It can be laid from 3mm to 10mm thick. Bostik Cempolatex Rapid 30 is protein-free, so may be used in biologically sensitive installations.

It is ideal for smoothing and levelling prepared concrete subfloors, sand/cement screeds, stone, calcium sulphate-based screeds, mastic asphalt, flooring grade plywood and firmly bonded unglazed ceramic, terrazzo & quarry tiles. It is not suitable for use over existing adhesive or water-soluble residues, soft smoothing compound residue, vinyl or similar resilient floor coverings. It 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 suitable for use with warm water underfloor heating systems, provided a surface temperature of +27°C is not exceeded. It is not to be used as a wearing surface and should always be covered with a floor covering. For interior use only.



TECHNICAL CHARACTERISTICS

Colour	Grey
Form	Dry, free flowing powder
Composition	Blend of cements and fillers
Application temperature	+5°C to +27°C
Gauging liquid	Water
Application thickness	3mm to 10mm
Working times	Up to 10 minutes after mixing (depending on ambient temperature and humidity)
Drying times	Light foot traffic: approx. 30 mins Loose lay floor coverings: approx. 45 mins Bonded floor coverings: approx. 3 hours (<5mm thickness at +20°C, depending on ambient temperature and humidity)
Compressive strength	Typically, 30N/mm ² after 28 days
Flexural strength	Typically, 7N/mm ² after 28 days

COVERAGE

- Approx. 3.5m² per bag at 3mm thickness
- Approx. 2m² per bag at 5mm thickness (depending on the smoothness and absorbency of the floor surface)

APPLICATION

IMPORTANT: Before using Bostik Cempolatex Rapid 30, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

All phases of the application should comply with the current editions of:

- BS 8102 Code of practice for protection of below ground structures against water ingress.
- BS 5325 Code of practice for installation of textile floor coverings.
- BS 8203 Code of practice for installation of resilient floor coverings.
- BS 8201 Code of practice for installation of flooring of wood and wood-based panels.

Ensure the correct PPE is worn during use.

PREPARATION

- Ensure the subfloor is clean, sound and dry (<75%RH), of adequate tensile & compressive strength, free from laitance, cracks, structural defects and contaminants that may prevent adhesion (e.g., dust, oil, grease, paint, plaster, polish, some curing compounds, surface hardeners, additives and adhesive residues must be completely removed), and conforms to BS 8204 code of practice.
- Any cracks or holes in the floor must be cleaned out and filled with Bostik Rapid Repair Mortar. Allow to completely dry before applying Bostik Cempolatex Rapid 30.
- The temperature of the floor and application environment must be stable and maintained between +5°C and +27°C throughout the application and drying of the compound.

UNDERFLOOR HEATING

- Bostik Cempolatex Rapid 30 can be used on substrates containing warm water underfloor heating systems. The system must be switched off 48 hours prior to, during and for 48 hours post application. To prevent rapid dehydration, wait 48 hours after installation before gradually turning up underfloor heating.
- For electrical radiant underfloor heating systems, please contact Technical Services.

PLYWOOD AND CHIPBOARD SUBSTRATES

- The timber-based substrate must be acclimatised and fixed in accordance with the industry standards.
- The surface must be clean dry and dust free.
- Prime the surface using the appropriate primer from the selection chart above.
- An application thickness of 5mm should not be exceeded on timber-based substrates.

PRIMING

- When applying Bostik Cempolatex Rapid 30, the subfloor must be primed prior to the application of the compound.

See table below, refer to separate technical data sheets for primer application and drying times.

- Priming will minimise rapid absorption and will reduce the risk of pin holing and extend the working time to result in the ideal surface finish.

Porous substrates	Bostik Cempolay Universal Primer (diluted 1 : 2 with water)
Dense/non-porous substrates, including epoxy membranes	Undiluted Bostik Cempolay Universal Primer
Calcium sulphate-based screeds	Bostik Cempolay Universal Primer (diluted 1 : 3 with water) Once dry, apply a second coat of primer (diluted 1 : 1 with water)
Flooring grade plywood (must be mechanically fixed)	Bostik Cempolay Universal Primer (diluted 1 : 1 with water)
Mastic asphalt	Undiluted Bostik Cempolay Universal Primer (for applications up to 5mm max)

MIXING & APPLICATION THICKNESS

- Pour 3.2 litres of clean, cold 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. Do not under mix. Optimal results can be achieved by allowing the mixed material to stand/mature for 1 minute and then mixing again for 1 minute.
- Make sure the mixing bucket is free from any unmixed material on the sides and the base.
- Note: the addition of too much water may result in separation of the compound.
- Bostik Cempolatex Rapid 30 can be applied from 3mm to 10mm in a single application - 5mm maximum total thickness on sound & primed mastic asphalt. Contact Technical Services for further details. Non-absorbent subfloors, such as surface DPM's, require a minimum of 3mm of Bostik Cempolatex Rapid 30 to ensure adequate absorbency for subsequent adhesives.
- Do not mix more compound than you can use in 5 to 10 minutes. The mixture will remain workable for approximately 10 minutes under normal conditions. If the mix begins to stiffen before it has been spread, it must be discarded. Do not re-temper or add further water.

APPLICATION

- Pour the mixed material onto the prepared subfloor in a continuous operation.
- Using a steel trowel, apply Bostik Cempolatex Rapid 30 evenly to the required thickness.
- Use a spiked roller to deaerate the compound and smooth out any trowel lines whilst the compound is still fluid.
- Note: on large projects it is advisable to work in teams of two to ensure applications to existing wet edges can be maintained. Material left in the bucket will react much

quicker and reduce its working time. For best results, apply immediately after mixing.

- If a second application of Bostik Cempolatex Rapid 30 is required, this can be carried out after approximately 60 minutes. Prime the first layer with Bostik Cempolatex Universal Primer (diluted 1 : 2 with water) and allow the primer to dry before applying the second application.
- Protect surface from traffic prior to laying a floor covering. Ensure the compound is fully dry before applying a floor covering.

DRYING TIMES

- Drying times may vary depending upon site conditions, substrate type and installation environment.
- The drying time depends on how absorbent the subfloor is, the air humidity and both the ambient & floor temperatures.
- Thicker applications will prolong overall drying times.
- Based on good ambient conditions of +20°C and <5mm thickness, the compound can be laid directly over after the following times:

Light foot traffic	30 mins approx.
Loose lay floor coverings	45 mins approx.
Bonded floor coverings	3 hours approx.
Other floor coverings	Contact Technical Services

- The working and drying times of the compound will be reduced in higher temperatures and increased in lower temperatures.

CLEANING

- Clean tools and equipment with warm, soapy water immediately after use. Remove surplus compound from surfaces whilst it is still wet. Dried and hardened smothering compound can only be removed mechanically.

STORAGE

- Store and transport securely. Store for up to 6 months from date of manufacture in original, unopened packaging, clear of the ground, in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from excessive drafts, frost, damp, condensation and dew.

PRECAUTIONS IN USE

Do not use as a substitute for a DPM. An effective membrane is required to prevent water entering the system. Protect surface from foot traffic prior to installing a floor covering. Ensure the compound is fully dry before installing a floor covering. During drying, protect the freshly applied product from strong sunlight and through draughts. Protect from rain and frost. Do not force dry the compound. Application in high temperatures may result in rapid setting and poor flow. The rapid loss of water may increase the risk of cracking.

The mix ratios and temperatures need to be followed accurately. Changing the mix ratios will disrupt the system and risk product failure.

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 for Bostik Cempolatex Rapid 30, available at www.bostik.com/uk.

PACKAGING

Product codes	30608113	16kg bag
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