



Screeedmaster Smooth

CEMENTITIOUS WATER MIX SMOOTHING COMPOUND

Date: 25 November 2019

Fact Sheet No.: TDS01672

YOUR SMART ADVANTAGES

- Pumpable and self levelling
- Protein and casein free
- Low odour

USES

Bostik Screeedmaster Smooth is a single part, high strength, polymer modified, cementitious underlayment. Suitable for application by trowel and by mortar screw pump when mixed with the appropriate quantity of clean, cold water. Bostik Screeedmaster Smooth is suitable for use with warm water underfloor heating installations provided a temperature of 27°C is not exceeded. The heating must be switched off at least 48 hours before and after application.

For the smoothing and levelling of uneven subfloors before laying decorative floorcoverings. Bostik Screeedmaster Smooth can be laid over most common substrates including: cementitious screeds, concrete floors, calcium sulphate screeds, sound strong asphalt and other strong, rigid subfloors. Bostik Screeedmaster Smooth must not be used over vinyl or similar resilient floor coverings or soft smoothing compound residue.

Bostik Screeedmaster Smooth should always be covered with a floor covering. Bostik Screeedmaster Smooth must not be regarded as a substitute for a damp-proof membrane in direct to earth floors.

Bostik Screeedmaster Smooth is not affected by heat from central heating pipes or in glazed areas. Heating must be switched off at least 48 hours before and after applying the compound.

PRODUCT CHARACTERISTICS

Form	Powder
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Composition	Cementitious water mix
Product Code	30811794 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 and direct sunlight. Protect from damp, condensation, dew, etc.

TYPICAL PERFORMANCE DATA (approx.)

Gauging liquid	Water
Application Temperature	5°C to 35°C
Coverage	Approx. 5m ² at 3mm thickness Approx. 3m ² at 5mm thickness
Application Thickness	1mm to 10mm
Working Time	20 minutes after mixing
Drying Times	Foot traffic: 2 hours approx. (<3mm thickness) at 20°C Ceramic tile/textile floor coverings: 12 hours approx. (<3mm thickness) at 20°C Resilient floor coverings: 24 hours approx. (<3mm thickness) at 20°C Note: Drying/covering times will be extended at lower temperatures
Compressive Strength	Typically >30 N/mm ² after 28 days
Flexural Strength	Typically >7 N/mm ² after 28 days

DIRECTIONS FOR USE

IMPORTANT: Before using Screedmaster Smooth refer to the relevant Health & Safety Data Sheet, available at 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 conform 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. Bostik Screedmaster Smooth is protein-free so may be used in biologically sensitive installations.
4. Bostik Screedmaster Smooth can be applied from 1mm to 10mm thickness in a single application. For thickness from 10mm to 20mm bulking out is recommended.

PRIMING

5. 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.
6. When using Bostik Screedmaster Rapid DPM no priming is required. Refer to the Bostik Screedmaster Rapid DPM product data sheet for application details.

Absorbent substrates:	Bostik Screedmaster Universal Primer (diluted 1:2 with water)
Dense/non-absorbent substrates including epoxy membranes	Bostik Screedmaster Universal or Bostik Screedmaster Epoxy Primer (for applications above 10mm)
Calcium sulphate screeds:	Bostik Screedmaster Epoxy Primer (diluted 1:1 with water)
Applications in excess of 10mm of smoothing compound:	Bostik Screedmaster Epoxy Primer
Radiant underfloor heating systems:	Consult Technical Services

MIXING

7. Measure 5 litres of clean cold water into a clean mixing bucket. Gradually add the bag of Bostik Screedmaster Smooth 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 undermix. Use the mixture immediately.

8. If bulking out is required add 12.5kg of 0-5mm aggregate at this stage and further mix for 2 minutes.
9. Unbulked the mixture will retain its self-smoothing capability for approximately 20 minutes under normal conditions. Use the mixture immediately. If the mix stiffens before it has been spread, it must be discarded. Do not add further water.
10. Note - addition of too much water may result in separation of the compound.

APPLICATION

Trowel Application:

11. Pour the mixed material onto the floor. Using a smooth edge steel trowel smooth over the wet product to gain the desired heights and smoothness. A pin level may be used to assist in gaining the required depth. The use of a spiked roller is highly recommended to de-aerate the product and ensure a smooth surface is achieved, particularly between adjacent mixes of material.

Pump Application:

12. Where large floor areas require levelling, it is beneficial to apply Bostik Screedmaster Smooth by mortar screw pump. Application rates in excess of 200m² per hour at 5mm or 300m² per hour at 3mm are achievable by pump application. Care should be taken when pumping to undertake periodic flow tests of the compound, from the end of the hose. Flow test results should be 130-140mm when using an EN 12706 flow tube.

APPLICATION THICKNESS

Generally a depth of 1mm to 10mm is permissible except for:

13. Sound, rigid, non-absorbent subfloors require a minimum of 3mm of Bostik Screedmaster Smooth to ensure adequate absorbency for subsequent adhesives.
14. Sound, strong Asphalt requires 2mm to 5mm.
15. When bonding wood flooring a minimum 2mm is required.
16. If a second application of Bostik Screedmaster Smooth is required this can be carried out once it is ready to take foot traffic. Prime the first layer with Bostik Screedmaster Universal Primer (diluted 1:2 with water), allow the primer to dry.

DRYING TIMES

17. Based on good ambient conditions of 20°C, Bostik Screedmaster Smooth will remain workable for approximately 20 minutes after mixing. It will take light foot traffic after 2 hours and will be ready to receive textile floor coverings after 12 hours and resilient floor coverings after 24 hours (based on <3mm thickness at 20°C).

Foot traffic:	2 hours approx. (<3mm thickness) at 20°C
Ceramic tile / textile floor coverings:	12 hours approx. (<3mm thickness) at 20°C
Resilient floor coverings:	24 hours approx. (<3mm thickness) at 20°C

18. Bostik Screedmaster Smooth should be protected from strong sunlight and through draughts as this can dehydrate the product resulting in incorrect curing.

CLEANING

19. 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 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 Screedmaster Smooth, available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No.: TDS01672

Product Description: **BOSTIK SCREEDMASTER SMOOTH**
Product Code: **5010591119185**
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 ²	
Flexural Strength	>7 N/mm ²	

The performance of the Bostik Screedmaster Smooth 5010591119185 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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