



# Screedmaster Ultimate

## TWO COMPONENT HIGH PERFORMANCE SMOOTHING COMPOUND

Date: 25 November 2019

Fact Sheet No.: TDS00842

### YOUR SMART ADVANTAGES

- Can be used under a surface DPM
- Self-smoothing and low odour
- Feather edge up to 10mm

### USES

Bostik Screedmaster Ultimate is a two-part, cementitious underlayment for smoothing uneven floors prior to laying decorative floor coverings. It is 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 the smoothing and levelling of uneven subfloors before laying decorative floor coverings. Bostik Screedmaster Ultimate can be laid over most common substrates including concrete, sand/cement screeds, stone, anhydrite screeds, rigid metal, terrazzo and quarry tiles, and asphalt and other strong, rigid subfloors. Bostik Screedmaster Ultimate should not be used over old tackifier or water soluble residues.

As Bostik Screedmaster Ultimate is totally protein and casein free and is suitable for use in biologically sensitive areas. The low odour formulation makes Bostik Screedmaster Ultimate ideal for use in occupied buildings. The moisture tolerant formula enable Bostik Screedmaster Ultimate to be used to smooth rough textured subfloors prior to the application of Bostik Screedmaster damp proof membranes.

Bostik Screedmaster Ultimate has excellent workability and flow characteristics, is self-smoothing and can be trowelled to a feather edge. It should always be covered with a floor covering.

### PRODUCT CHARACTERISTICS

Form	Two part bag & bottle
Composition	Cement/polymer liquid

Product Codes	30607624 20kg 30607626 4.3L
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, damp, condensation, dew, etc.

### TYPICAL PERFORMANCE DATA (approx.)

Gauging liquid	Synthetic rubber
Application Temperature	5°C to 35°C
Coverage	Approx. 5m <sup>2</sup> at 2-3mm thickness when using 20kg powder and 4.3l liquid
Application Thickness	Feather edge up to 10mm thickness. 3mm minimum application is recommended.
Working Time	15 minutes after mixing; dependent on conditions
Drying Times	Foot traffic: 1.5 hours approx. (<3mm thickness) at 20°C Loose lay textile floor coverings: 8 hours approx. (<3mm thickness) at 20°C Bond floor coverings: 12 hours approx. (<3mm thickness) at 20°C On non-absorbent subfloors lay floor coverings: 24 hours approx. (<3mm thickness) at 20°C Note: Drying/covering times will be extended at lower temperatures
Compressive Strength	Typically >29 N/mm <sup>2</sup> after 28 days
Flexural Strength	Typically >9 N/mm <sup>2</sup> after 28 days

## DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Screedmaster Ultimate 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 of adequate tensile and compressive strength, free from laitance, cracks and structural defects and conforms 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. Any deep depressions in the floor should be filled with Bostik Screedmaster Rapid Repair Mortar and allowed to dry.
4. Mechanically remove old adhesive residue to leave a thin, firmly bonded film.

## PRIMING

5. In all cases the subfloor must be primed prior to application of the smoothing compound as 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.

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

## MIXING

7. Pour the 4.3 litres of Bostik Screedmaster Ultimate polymer liquid into a clean mixing bucket. Gradually add the 20kg bag of Bostik Screedmaster Ultimate powder to the liquid whilst continually mixing with an electric drill and mixing paddle until a smooth lump-free mixture is obtained. This will normally be achieved after two minutes. Do not under mix. Use the mixture immediately.

8. The correct mix permits normal application from a skim coat up to 10mm, although for best results a minimum 3mm application is recommended.
9. Where deeper sections are required, to achieve the thickness of 10mm up to 20mm, the mix should be bulked out with 3mm granite chippings. To the mixture of 1 bag of powder and 1 bottle of liquid add half a 25kg bag of chippings, whilst continually stirring until thoroughly mixed.
10. 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 or liquid.

## APPLICATION

11. Spread evenly over the floor surface with a steel screeding trowel to give the required thickness. The use of a spiked roller can further improve the product performance. This must be done whilst the compound is still fluid. Any trowel marks remaining after the compound has set can be rubbed down with a sanding block.
12. When used over a Bostik Screedmaster surface damp proof membrane or other impervious surfaces it is essential that a minimum 3mm thickness is applied in order to provide an absorbent medium for the adhesive.
13. When smoothing a rough floor prior to applying Bostik Screedmaster damp proof membrane priming the subfloor with diluted Bostik Screedmaster Universal Primer (4 parts water to 1 part primer) is recommended. Allow primer to dry. A minimum 3mm of Bostik Screedmaster Ultimate is then required.
14. A Bostik Screedmaster damp proof membrane can be applied after a minimum 12 hours based on good ambient drying conditions. Priming with Bostik Screedmaster Universal Primer is recommended for depths up to 8mm.

## DRYING TIMES

15. A room temperature of 13°C to 18°C should be maintained for at least 24 hours prior to the application of with a subfloor temperature of at least 5°C during application.
16. Ceramic, textile and vinyl floorcoverings can be laid directly onto Bostik Screedmaster Ultimate after the following times:

<b>Foot traffic:</b>	1.5 hours approx. (<3mm thickness) at 20°C
<b>Loose lay floors coverings:</b>	8 hours approx. (<3mm thickness) at 20°C
<b>Bond floor coverings</b>	12 hours approx. (<3mm thickness) at 20°C
<b>On non-absorbent subfloors lay floor coverings:</b>	24 hours approx. (<3mm thickness) at 20°C

## CLEANING

17. 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.

Recommendation 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 Ultimate, 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.:TDS00842**

Product Description: **BOSTIK SCREEDMASTER ULTIMATE**  
Product Code: **5010591001008**  
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-C25-F7**

Essential Characteristics	Performance	Harmonised technical specification
Reaction to Fire	<b>F</b>	<b>EN 13813:2002</b>
Compressive Strength	<b>&gt;29 N/mm<sup>2</sup></b>	
Flexural Strength	<b>&gt;9 N/mm<sup>2</sup></b>	

The performance of the Bostik Screedmaster Ultimate 5010591001008 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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