



Screedmaster Flow

HIGH FLOW, EASY TROWELLING SMOOTHING COMPOUND

Date: 25 November 2019

Fact Sheet No.: TDS01730

YOUR SMART ADVANTAGES

- Can be used under a surface DPM
- Excellent flow characteristics
- Protein-free and low odour

USES

Bostik Screedmaster Flow is a two-part, protein and casein free, cementitious underlayment with improved flow 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 leveling of uneven subfloors before laying decorative floor coverings. Bostik Screedmaster Flow can be laid over most common substrates including: concrete, sand/cement screeds, stone, anhydrite screeds, terrazzo and quarry tiles, asphalt and other strong, rigid subfloors. Bostik Screedmaster Flow should not be used over old tackifier or water soluble residues.

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

Bostik Screedmaster Flow 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.

Bostik Screedmaster Flow is not affected by warm water underfloor heating systems or glazed areas. Heating must be switched off at least 48 hours before and after applying the compound.

PRODUCT CHARACTERISTICS

Form	Two part bag and bottle
Composition	Cement/polymer liquid
Product Code	30607625 20kg 30607627 4.13L
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. Protect from damp, condensation, dew, etc.

TYPICAL PERFORMANCE DATA (Approx.)

Gauging Liquid	Synthetic rubber
Application Temperature	5°C to 35°C
Coverage	Approx. 5m ² at 2-8mm thickness
Application Thickness	Feather edge to 20mm (bulk out above 10mm)
Working Time	20 minutes after mixing, dependent on conditions
Drying Times	Foot traffic: 1.5 hours approx. (<3mm thickness) at 20°C Loose lay floor coverings: 8 hours approx. (<3mm thickness) at 20°C Bond textile 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 >25 N/mm ² after 28 days
Flexural Strength	Typically >7 N/mm ² after 28 days

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Screedmaster Flow Smoothing Compound 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 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.

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. Pour the 4.13 litres of Bostik Screedmaster Flow polymer liquid into a clean mixing bucket. Gradually add the 20kg bag of Bostik Screedmaster Flow 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 undermix. 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 thicknesses 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 suitable 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 Primer (4 parts water to 1 part primer) is recommended. Allow primer to dry. A minimum 3mm of Bostik Screedmaster Flow is then required.
14. A Bostik Screedmaster damp proof membrane can be applied after a minimum of 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 with a subfloor temperature of at least 5°C during application.
16. Ceramic, textile and vinyl floor coverings can be laid directly onto Bostik Screedmaster Flow after the following times:

Foot traffic:	1.5 hours approx. (<3mm thickness) at 20°C
Loose lay 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

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

CLEANING

18. Clean tools and equipment with warm, soapy water immediately after use, 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 Flow Smoothing Compound, available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No.:TDS01730

Product Description: **BOSTIK SCREEDMASTER FLOW**

Product Code: **5010591000285**

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	F	EN 13813:2002
Compressive Strength	>25 N/mm ²	
Flexural Strength	>7 N/mm ²	

The performance of the Bostik Screedmaster Flow 5010591000285 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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