

Screedmaster Flow

HIGH FLOW SELF-SMOOTHING COMPOUND

Date: 20 August 2014

Fact Sheet No.: TDS01730

YOUR SMART ADVANTAGES

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

USES

Screedmaster Flow is a two-part, protein and casein free, cementitious underlayment with improved flow for smoothing and leveling of a variety of subfloors 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. Heating must be switched off at least 48 hours before and after application. Screedmaster Flow is not affected by heat from central heating pipes, radiant heating mats or in glazed areas.

Screedmaster Flow can be laid over most common substrates including: concrete, sand/cement screeds, stone, anhydrite screeds, rigid metal, terrazzo & quarry tiles, flooring grade asphalt and other strong, rigid subfloors. Screedmaster Flow can also be used on subfloors with adhesive residues provided that a minimum of 75% of the subfloor is exposed across the entire area. Remaining adhesive residues should be thin and firmly bonded and primed using neat Screedmaster Universal Primer. Screedmaster Flow should not be used over old tackifier, water soluble or bituminous residues.

As Screedmaster Flow is totally protein and casein free it is suitable for use in biologically sensitive areas. The low odour formulation makes Screedmaster Flow ideal for use in occupied buildings. Screedmaster Flow has a moisture tolerant formulation and can be used on cementitious subfloors with residual moisture > 75%. Where it is preferable to pre-smooth the subfloor prior to application of Screedmaster One Coat Membrane.

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

Screedmaster Flow must not be regarded as a substitute for a damp-proof membrane in direct to earth floors. Screedmaster Flow must not be used over vinyl or similar resilient floor coverings.

PRODUCT CHARACTERISTICS

Form	Two part bag & bottle
Composition	Cement/SBR
Product Code	120365 23kg Bag 120372 4 x 4.8L Polyjerry
Storage/Shelf Life	Powder: Store in unopened bags clear of the ground and in cool, dry conditions. Protect from excessive draughts and use within 6 months of date stamped on the packaging. Protect from damp, condensation, dew, etc. Liquid: 12 months when unopened and stored under good conditions.

TYPICAL PERFORMANCE DATA (approx.)

Gauging liquid	Synthetic Rubber
Coverage	Approx. 5-6m ² at 3mm thickness
Application Thickness	Feather edge: to 10mm Bulked out: up to 20mm
Working Time	20 minutes after mixing; dependant on conditions
Application Temperature	+5°C to +35°C
Compressive Strength	Typically 28 N/mm ² after 28 days
Flexural Strength	Typically 8 N/mm ² after 28 days
Drying Times	Foot traffic: 1.5 hours at 20°C Loose lay floor coverings: 8 hours at 20°C Bond floor coverings: 12 hours at 20°C On non absorbant subfloors lay floor coverings: 24 hours at 20°C



FM 01696
BS EN ISO 9001:2008

DIRECTIONS FOR USE

Before using Screedmaster Flow Smoothing Compound refer to the relevant Health & Safety Data Sheet. Available at www.bostik.co.uk named as the code above.

PREPARATION

Ensure the subfloor is clean, sound, dry and of adequate tensile and compressive strength, free from laitance, cracks and structural defects and conform's to BS8102: Code of Practice for protection of structures against water from the ground. Where this is not the case contact technical services for advice

Any contaminants that may hinder adhesion, such as grease, dust, some curing compounds and moisture sensitive adhesive residues must be completely removed.

Any deep depressions in the floor should be filled with Rapid Repair Mortar and allowed to dry.

The subfloor should 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. Where this has not been attained the use of a Screedmaster surface membrane can be considered. Please contact technical services for advice on the correct surface membrane to use for your application.

PRIMING

In most 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.

Absorbent Substrates:	Screedmaster Universal Primer (diluted 1:2 with water)
Dense/non-absorbent substrates including epoxy membranes	Screedmaster Universal
Rapid DPM	Apply direct, unless Rapid DPM has been left to dry for over 12 hours. If this is the case, apply Universal primer before application.
Calcium Sulphate Screeds:	Screedmaster Epoxy Primer (diluted 1:1 with water)
Applications in excess of 10mm of Smoothing Compound:	Screedmaster Epoxy Primer
Adhesive residues :	Screedmaster Universal Primer
Radiant Underfloor Heating Systems:	Consult technical services

MIXING

Pour the 4.8 litres of Screedmaster Flow Latex Liquid into a clean mixing bucket. Gradually add the 23kg bag of 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.

The correct mix permits normal application from a skim coat up to 10mm, although for best results a minimum 3mm application is recommended.

Where deeper sections are required, to achieve thicknesses in excess of 10mm, 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.

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

Spread evenly over the floor surface with a steel screeding trowel to give the required thickness. Once laid, a second trowelling can be carried out after 15 to 30 minutes depending on site conditions. Any trowel marks remaining after the compound has set can be rubbed down with a sanding block.

When used over a Screedmaster surface damp proof membrane or other impervious surfaces it is essential that a minimum 3mm thickness (maximum of 6mm on flooring grade asphalt) is applied in order to provide an absorbent medium for the adhesive.

When smoothing a rough floor prior to applying a Screedmaster Epoxy Damp Proof Membrane a minimum 3mm of Screedmaster Flow is required. Dampen the surface of the subfloor to prevent pin holing of the smoothing compound. Screedmaster One Coat Membrane can be applied after a minimum 12 hours based on good ambient drying conditions.

CLEANING

1. 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 +(0)1785 272625 or visit www.bostik.co.uk for advice.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data Sheet for Screedmaster Flow Smoothing Compound.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

Product Description: **SCREEDMASTER FLOW POWDER 23KG**

Product Code: **5010591120365**

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 Screedmaster Flow 5010591120365 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.O. Manager

Signature: 

Date: May 2014



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