

SCREEDMASTER

SMOOTH

CEMENTITIOUS WATER MIX SMOOTHING COMPOUND



Gauging liquid:	Water
Coverage:	Approx. 5m ² at 3mm thickness Approx. 3m ² at 5mm thickness
Application thickness:	1mm to 10mm
Working time:	20 minutes after mixing
Application temperature:	20°C
Compressive strength:	Typically 30 N/mm ² after 28 days
Flexural strength:	Typically 7.5 N/mm ² after 28 days
Drying times:	Light foot traffic: 2 hours at 20°C Ceramic/textile coverings: 12 hours at 20°C Resilient floor coverings: 24 hours at 20°C
Packaging:	25kg Bag

Note: Times are quoted at 20°C and are temperature/humidity dependent

FEATURES

- **Self-levelling**
- **Pumpable**
- **Protein-free**
- **Low odour**
- **Suitable for underfloor heating systems**

IMPORTANT: Before embarking on any work involving Bostik Screedmaster Smooth the separate Material Safety Data Sheet, available online at www.bostik.co.uk, must be studied carefully by those carrying out the work.

Screedmaster 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. Screedmaster 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.

USES

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

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

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

PREPARATION

Ensure the subfloor is clean, sound, dry and of adequate tensile and compressive strength, free from laitance, cracks and structural defects and conform to BS8102 : Code of Practice for protection of structures against water from the ground. Any contaminants that may hinder adhesion, such as grease, dust, some curing compounds and moisture sensitive adhesive residues must be completely removed. Screedmaster Smooth is protein-free so may be used in biologically sensitive installations. Screedmaster Smooth can be applied from 1mm to 10mm in a single application. For thickness from 10mm to 20mm bulking out is recommended.

PRIMING

In all cases the sub-floor must be primed prior to application of the smoothing compound as shown in the table overleaf. Follow the instructions on the specific primer container and technical data sheet for application and drying details.

PRIMING CONTINUED

Absorbent Substrates:	Screedmaster Universal Primer (diluted 1:2 with water)
Dense/non-absorbent substrates including epoxy membranes:	Screedmaster Universal or Screedmaster Epoxy Primer (for applications above 10mm)
Calcium Sulphate Screeds:	Screedmaster Epoxy Primer (diluted 1:1 with water)
Applications in excess of 10mm of Smoothing Compound:	Screedmaster Epoxy Primer
Radiant Underfloor Heating Systems:	Consult technical services

MIXING

Measure 5 litres of clean cold water into a clean mixing bucket. Gradually add the bag of 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 two minutes. Do not undermix. Use the mixture immediately.

If bulking out is required add 12.5kg of 0-5mm aggregate at this stage and further mix for 2 minutes.

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. Note: addition of too much water may result in separation of the compound.

APPLICATION

TROWEL APPLICATION

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

Where large floor areas require levelling, it is beneficial to apply 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 EN12706 flow tube.

APPLICATION THICKNESS

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

- Sound, rigid, non-absorbent subfloors require a minimum of 3mm of Screedmaster Smooth to ensure adequate absorbency for subsequent adhesives.
- Sound, strong Asphalt requires 2mm to 5mm
- When bonding wood flooring a minimum 2mm is required

If a second application of Screedmaster Smooth is required this can be carried out once it's ready to take foot traffic. Prime the first layer with Screedmaster Universal Primer (diluted 1:2 with water), allow the primer to dry.

DRYING TIMES

Ceramic, textile and vinyl floorcoverings can be laid directly onto Screedmaster Smooth after the following times:

Foot traffic:	2 hours at 20°C
Ceramic/textile coverings:	12 hours at 20°C
Resilient floor coverings:	24 hours at 20°C

Note: Drying/covering times will be extended at lower temperatures.

The product should be protected from strong sunlight and through draughts, as this can dehydrate the product resulting in incorrect curing.

COVERAGE

Approx. 5m² at 3mm thickness
Approx. 3m² at 5mm thickness

CLEANING

Clean tools and equipment with warm, soapy water immediately after use, whilst the product is still wet.

STORAGE

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.

Recommendations and suggestions are for guidance only, since the conditions of use are completely beyond our control.

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