



Screedmaster One Coat Membrane

EPOXY SURFACE DAMP PROOF MEMBRANE FOR CEMENTITIOUS SUBFLOORS

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Fact Sheet No.: TDS00881

YOUR SMART ADVANTAGES

- Suppresses residual construction moisture
- Suitable for power floated concrete and sand/cement screeds
- Up to 97% RH

USES

Bostik Screedmaster One Coat Membrane is a two part, epoxy system containing the exact quantities of resin and hardener, ready for mixing together. Curing is by a stoichiometric chemical reaction giving a gloss finish.

It is compatible with calcium sulphate (Anhydrite) screeds up to 87% RH (without UFH)

Bostik Screedmaster One Coat Membrane is for suppressing residual construction moisture in cementitious subfloors, enabling floor coverings to be installed earlier in building projects. It is suitable for use with warm water underfloor heating installations with cementitious screeds provided a temperature of 27°C is not exceeded. The heating must be switched off at least 48 hours before and after application

Bostik Screedmaster One Coat DPM and Bostik Screedmaster One Coat Accelerator are both solvent free products and are suitable for use in all project work including hospitals, schools, retail outlets and commercial projects.

On a smooth, power floated concrete base, a single coat application can provide protection up to a maximum hygrometer reading of 97% RH. Moisture readings quoted are based on BS 8203 using a properly calibrated and insulated surface hygrometer.

PRODUCT CHARACTERISTICS

Colour	Resin (Part A): Colourless/Clear Hardener (Part B): Black
Form	Resin (Part A): Low viscosity liquid Hardener (Part B): High viscosity

	paste
Composition	Resin (Part A): Epoxy Resin Hardener (Part B): Blended Epoxy
Specific Gravity	Resin (Part A): 1.12 approx. Hardener (Part B): 1.8 approx. When mixed: 1.45 approx.
Product Code	30811700 5KG 30811711 10KG
Storage/Shelf Life	Store for up to 12 months from date of manufacture when stored in original, unopened packaging under cool, dry conditions within the temperature range of 10°C to 35°C and out of direct sunlight.

TYPICAL PERFORMANCE DATA (Approx.)

Coverage	Up to 12.5m ² per 5kg kit Up to 25m ² per 10kg kit
Application Temperature	10°C to 30°C
Service Temperature	-20°C to +60°C
Drying Times	At given floor temperatures: <ul style="list-style-type: none">– 8 hours at 20°C– 16 hours at 10°C With Accelerator: <ul style="list-style-type: none">– 3 hours at 20°C– 6 hours at 10°C
Open Time	30 minutes approx. at 20°C
Film Thickness	Approximately 290 microns minimum at 25m ² per 10kg kit

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik Screedmaster One Coat Membrane refer to the relevant Health and Safety Data Sheet, available at www.bostik.com/uk.

In all cases the cured one coat membrane should appear glossy and be pin hole free. If matt in appearance or if pin holes are present then a further application is required.

Once the completed coating has fully cured, to assist the adhesion of a smoothing compound thoroughly prime with Bostik Screedmaster Universal Primer. Cover with a minimum 3mm thickness of a cementitious Bostik Screedmaster Smoothing Compound in order to provide an absorption medium for any subsequent adhesive.

It is not always necessary to cover Bostik Screedmaster One Coat Membrane with a smoothing compound, especially if the following Bostik adhesives are to be used:

Carpet Tackifier, Gripfill Contact Adhesive

In all cases, it is advisable to apply the adhesive between 1 to 2 days after the final coat of Bostik Screedmaster One Coat Membrane.

PREPARATION

1. Ensure the subfloor is clean, structurally sound, surface dry and free from laitance, dust, dirt or any other contaminant that may prevent adhesion to the substrate.
2. Remove all surface water prior to application. Highly polished surfaces may require light shot blasting to assist penetration and/or adhesion. If the concrete contains either a curing agent or surface hardener, these must be removed by either shot blasting or mechanical abrasion.

CONDITIONING

3. Store the product for 24 hours prior to use in temperature conditions between 15°C to 25°C. Storage under colder temperatures may result in a more viscous consistency that will make application more difficult. Storage under higher temperatures will reduce the working pot life.

MIXING

4. Do not mix the components together until the application is ready to start.
5. Using an electric drill and paddle, first stir the hardener (Part B) until a homogenous consistency is achieved, then, whilst continually stirring, add the resin (Part A) until a uniform colour is obtained. Any unmixed material will not harden.
6. If there is a requirement for a faster cure, Bostik Screedmaster One Coat Accelerator should be added to the mixed material at this stage. For full product details see Bostik Screedmaster One Coat Accelerator datasheet. Use 1 x 250ml unit of accelerator for a 5kg kit or 2 x 250ml units of accelerator for a 10kg kit. Thoroughly mix the accelerator into the Bostik Screedmaster One Coat Membrane. As soon as mixing has been completed apply the material.

APPLICATION

Power Floated Concrete:

7. Ensure all surface hardeners and additives have been removed. This will require shot blasting or mechanical abrasion. All contaminants from previous trades must be removed to leave a clean, dust free surface with no standing water.

For relative humidity up to 95%

8. Spread evenly over the floor surface using a brush, roller or a triangular notched trowel cut to a minimum notch size of 1.5mm x 5mm. (Follow by over rolling).
9. Ensure the mixed material is worked well into the surface. It is essential that a pinhole free coating is achieved and that a maximum coverage rate of 25m² per 10 kg unit is obtained.

For relative humidity between 95 and 97%:

10. Spread evenly over the floor surface using a brush, roller or a triangular notched trowel cut to a minimum notch size of 2mm x 6mm. (Follow by over rolling).
11. Ensure the mixed material is worked well into the surface. It is essential that a pinhole free coating is achieved and that a maximum coverage rate of 20m² per 10 kg unit is obtained.

Sand Cement Screeds:

12. Bostik Screedmaster One Coat Membrane can be used on well compacted lightly textured sand cement screeds. If there is any doubt as to the suitability of the screed please contact Technical Services.
13. Based on a sound, strong well compacted screed Bostik Screedmaster One Coat Membrane can be used where moisture readings are no greater than 95% RH.
14. Spread evenly over the floor surface using a brush, roller or a triangular notched trowel cut to a minimum notch size of 2mm x 6mm. (Follow by over rolling).
15. Ensure the mixed material is worked well into the surface. It is essential that a pinhole free coating is achieved. Coverage rate of 17-20 m² per 10 kg unit will be required, dependent upon screed conditions.

CLEANING

16. Clean tools and equipment immediately after use with a suitable proprietary cleaning fluid before material has hardened. Mixed product can be left to harden and equipment and packaging disposed of as non-hazardous.

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 One Coat Membrane, available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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