

LEVELMASTER AD-FLOOR EXTERIOR

One Part, Flexible, Fast Setting Exterior Latex Floor Levelling Compound

Technical Data Sheet



LEVELMASTER RANGE

CLASS CT-C35-F10

Description:

A protein-free, latex modified, flexible, premium grade, cementitious floor levelling compound suitable for use at thicknesses from 3mm or 2mm to 50mm. Can be used in interior and exterior locations. Conforms to EN13813:2002.

Benefits:

- ◆ Flexible.
- ◆ High early strength.
- ◆ Suitable for application up to 50mm in one layer.
- ◆ Pumpable.
- ◆ Suitable for external use prior to the application of tiles.
- ◆ Can be used on domestic garage floors prior to painting with a suitable floor paint.
- ◆ Low odour formulation.
- ◆ Suitable for use with underfloor heating.
- ◆ Self smoothing.

Uses

AD-FLOOR EXTERIOR is an ideal underlay for levelling most common internal subfloor prior to the installation of floor coverings such as ceramic floor tiles, carpet, vinyl and wood flooring (minimum levelling thickness 5mm). Suitable for use with underfloor heating. It also contains powdered latex eliminating the need for separate expensive latex liquids. Durable and hard wearing and can be used to patch repair rough concrete in domestic situations subject to foot traffic and light wheeled traffic. Ideal for use on domestic garage floors as a final wear coat or can be overpainted with Bond It ALKYD FLOOR PAINT.

Substrates

May be used over:

- Concrete and cement based substrates.
- Calcium sulphate (gypsum) screeds (sanded and vacuumed).
- Properly prepared old Ceramic tiles, natural stone, terrazzo.
- Properly prepared old water resistant adhesive residues.
- New mastic asphalt screeds must be flooring grade (IC10, IC15) with layer thickness 3-5mm.

Preparation

Sub-floors should be clean, dry, structurally sound and free from grease, oil, paint, polish or other contaminants that may hinder adhesion. Any adhesive or paint residues must be mechanically removed back to a sound base, likewise all friable areas must be

removed and the substrate repaired with a suitable repair compound as required. It is essential that ambient conditions do not exceed 55% relative humidity for at least 28 days after application. Increased levels of humidity can lead to product failure.

- **All sub-floors** on or below ground level should have an effective damp proof membrane and for subsequent laying of flexible floorcoverings or timber should have a moisture content of 75% RH or below. For moisture levels above 75% RH, a surface damp proof membrane should be applied. Contact Technical Services.
- **Gypsum and Anhydrite screeds** should always be free from moisture. Do not use surface damp proof membranes on gypsum substrates as a method of controlling moisture content.
- **Old ceramic tiles** should be thoroughly cleaned and abraded.
- **Old water-soluble adhesives**, should be removed completely and the surface then primed with a waterproof primer such as PRIMER AND FLEXIBLE ADMIXTURE.
- **Old water-resistant adhesives** should be mechanically removed as far as possible and remaining residue firmly bonded.

Vacuum clean the surface before application of waterproof primer.

ABSORBENT SURFACES such as concrete and cement should be primed with a waterproof primer such as Bond It PRIMER AND FLEXIBLE ADMIXTURE. Note: PVA is not suitable for priming prior to application of **AD-FLOOR EXTERIOR**.

NON-ABSORBENT SURFACES should be cleaned and primed with a suitable primer. Bond It EXTERIOR PREGRIT is also recommended for this purpose.

- **Ceramic** should be clean and free from grease before priming.
- **Water resistant adhesive residues** should be removed as far as possible before priming.
- **New sanded mastic asphalt** should be vacuumed before priming. Recommended layer thickness over mastic asphalt is maximum 3-4mm.
- **Wooden floors** should be over boarded with 15mm exterior grade plywood rigidly fixed with screws at 300mm centres. Prime as for absorbent surfaces.
- **Calcium Sulphate / gypsum screeds** should be sanded and vacuumed before priming with 2 coats of Bond It PRIMER AND



FLEXIBLE ADMIXTURE and left to dry for 24 hours. If **AD-FLOOR EXTERIOR** is to be used at thicknesses above 10mm over a gypsum screed (contact Technical Services). Note: Not suitable for use over old mastic screeds.

Mixing

Use 3.6L of clean water for every 20Kg bag of LevelMaster **AD-FLOOR EXTERIOR**. Slowly add the powder to the water whilst stirring with a suitable heavy duty slow speed drill or paddle. Stir for approximately 3 minutes until a homogenous lump free mix is formed. Do not overwater! Foam while mixing, or settling of the sand aggregate while placing, indicates over-watering.

Application

Pour the **AD-FLOOR EXTERIOR** onto the prepared surface and trowel to a smooth finish. Even surfaces can be obtained using a pin leveller and in higher thicknesses a spiked roller is recommended, Do not mix more than can be laid in 20 minutes. Never add extra water to this product once it has started to set. For higher layer thicknesses (above 3mm) contact with vertical surfaces should be avoided by using edging strip. Edge, interior and movement joints in the floor should not be covered by **AD-FLOOR EXTERIOR** and should be closed with suitable measures. Do not use at temperatures below +5°C. LevelMaster **AD-FLOOR EXTERIOR** will accept light foot traffic after 4 hours.

Ready For Covering

- 3 to 10mm thickness of **AD-FLOOR EXTERIOR** can be covered with **FLEXIBLE** floor coverings after approx. 24 hours.
- Up to 50mm thickness over internal concrete and be covered with **CERAMIC TILES** after approx 4 hours.
- For non porous surfaces the following

drying times are recommended before application of **CERAMIC TILES**:

- Up to 10mm – 1 day
- 10-20mm approx. 3 days
- 20-30mm approx. 7 days
- 30-40mm approx. 10 days
- 40-50mm approx. 14 days.

Coverage

One 20Kg bag is sufficient to cover approximately 4m² at a thickness of 3mm.

Cleaning

All tools and equipment should be cleaned in water. Cured material can only be removed by mechanical means.

Storage Conditions

This product must be stored in unopened manufacturers bags away from extremes of temperature and in dry conditions. This product must be used within 6 months of manufacture, before the date shown on the bag.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate material safety data sheet for full handling, use and storage instructions. Keep out of reach of children. It is the users responsibility to determine suitability for use. If in doubt contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control. It is recommended that users make their own tests to determine suitability.

CE 13	UK CA 22
BOND IT G16 River Bank Way, Elland. HX5 9DN. UK	
EN13813:2002 Cementitious screed material for use internally in buildings	
Reaction to Fire Class	F
Release of Corrosive Substances	CT
Compressive Strength	C35
Flexural Strength	F10

Product Details:

Colour:	Grey
Code:	BDH105
Size:	20Kg
Barcode:	5060021369420

Specification Summary

Flammability	Non-flammable
Appearance	Grey granular powder
Pot Life	20 minutes at +20°C
Light Foot Traffic	4 hours
UFI	GR20-20S9-M00H-K40E

Part of the Bond It LevelMaster Range



The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



Certificate Number:
6152
ISO 9001; ISO 14001;
ISO 45001



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