

LEVELMASTER RAPID LEVEL 30

One Part, Rapid Setting Flexible, Latex Floor Levelling Compound

Technical Data Sheet

LEVELMASTER RANGE



CLASS
CT-C23-F6

Description:

A protein-free, flexible, latex modified, high performance cementitious floor levelling compound suitable for use at thicknesses from 3mm to 50mm (up to 60mm with added aggregate). Conforms to EN13813:2002 Class: CT-C23-F6.

Features & Benefits:

- ♦ Sets in 30 minutes.
- ♦ Internal and external use.
- ♦ Flexible.
- ♦ Suitable for application up to 50mm in one layer.
- ♦ Suitable for both internal and external use prior to the application of tiles.
- ♦ Single pack.
- ♦ Low odour formulation.
- ♦ Suitable for use with underfloor heating.
- ♦ Preblended, requiring only addition of water.

Uses

LevelMaster RAPID LEVEL 30 is an ideal underlay for levelling most common sub-floors 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. Can be used inside or out.

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 any 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. Underfloor heating, turn off 48 hours prior to commencing work and switch back on 48 hours after completion, raising the temperature +5°C per day.

- 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. Vacuum clean the surface before application of primer or RAPID LEVEL 30.

- **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 and free from grease before priming.
 - **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.
 - **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 RAPID LEVEL 30.
 - **Non-absorbent surfaces**, such as ceramic, mastic asphalt and water-resistant adhesive residues, should be cleaned and primed with a suitable primer.
- Bond It EXTERIOR PREGRIT is also recommended for this purpose.
- **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 LevelMaster RAPID LEVEL 30 is to be used at thicknesses above 10mm over a gypsum screed (contact Technical Services).
 - **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.



Mixing

Use 3.6L of clean water for every 20Kg bag of LevelMaster RAPID LEVEL 30. 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

The temperature of the floor must be >+5°C. Pour the RAPID LEVEL 30 onto the prepared surface and trowel to a smooth finish. Use a flooring trowel or float to promote a smooth surface. Do not mix more than can be laid in 15 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 RAPID LEVEL 30 and should be closed with suitable measures. Do not use at temperatures below +5°C. RAPID LEVEL 30 floor leveller will accept light foot traffic after approx 30 minutes.

Limitations

Do not use at temperatures below +5°C or above +30°C. High temperatures will delay the open time. Cold or humid conditions will slow the drying times. RAPID LEVEL 30 is not to be used as a final wearing surface and should not be applied to flexible surfaces.

Cleaning

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

Size

20kg paper sack.

Coverage

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

Colour

Grey powder.

Shelf Life

6 months from date of manufacture, before the date shown on the bag when stored in unopened sacks.

Storage Conditions

Keep in unopened, original bags away from extremes of temperature, draughts and in dry conditions. Store clear of the ground at temperatures between +5°C and +30°C. This product must be used within 6 months of manufacture, before the date shown on the bag. Ensure part-used bags are resealed.

Disposal Of Containers

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

Health & Safety

Please refer to separate safety data Sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user’s 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.



Ready For Covering

- 3 to 10mm thickness of Levelmaster RAPID LEVEL 30 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.

UK CA 22 C E 13	
BOND IT H4 Premiere Way, Elland. HX5 9HF. UK	
EN13813 CT-C23-F6 Cementitious screed material for use internally in buildings. DoP: BDHRSFL	
Reaction to Fire	Class F
Release of Corrosive Substances	CT
Compressive Strength	C23
Flexural Strength	F6

Specification Summary	
Appearance	Grey granular powder
Flammability	Non-flammable
Pot Life	15 minutes at +20°C
Light Foot Traffic	30 minutes
Thickness	3mm - 50mm
Commodity Code	3816000000

Product / Order Details

Code	Colour	Size	Barcode	UFI
BDHRSFL	Grey	20Kg	5056437400123	9Q70-E0TA-D006-XWT5



Part of the Bond It LevelMaster Range

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Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does 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.



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