

LEVELMASTER FIBRE PLUS

Fibre Reinforced, High Performance, Flexible, Self-Levelling Compound

Technical Data Sheet



LEVELMASTER RANGE

CLASS
CT-C25-F7

Description:

A high performance, flexible, free-flowing, self-levelling and smoothing cementitious flooring compound. Reinforced with a blend of fibres and polymers to strengthen and improve flexibility. Suitable for use at thicknesses from 3mm to 50mm (up to 60mm with added aggregate). It can be hand or pump applied, is protein-free and can be overlaid with most common floor coverings. Conforms to EN13813:2002.

Features & Benefits:

- ◆ Polymer enhanced/contains fibres.
- ◆ Flexible, self-levelling formula.
- ◆ High early strength.
- ◆ Can be applied at 3 to 50mm in one layer.
- ◆ Pumpable.
- ◆ Low odour formulation.
- ◆ Suitable for use with underfloor heating.
- ◆ Protein-free.
- ◆ Internal use.

Uses

FIBRE PLUS is an ideal underlay for levelling most common internal sub-floors prior to the installation of final wearing surfaces such as ceramic floor tiles, carpet, vinyl, and wood flooring (minimum levelling thickness 3mm). Suitable for use over cement and sand screeds with existing underfloor heating. It also contains powdered latex eliminating the need for separate expensive latex liquids.

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 (sanded), 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. Vacuum clean the surface before application of primers or compound. Turn off underfloor heating 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.

- **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 or SBR.
- **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.
- **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 FIBRE PLUS is to be used at thicknesses above 10mm over a gypsum screed (contact Technical Services). Note: Not suitable for use over old mastic screeds. If in doubt contact Technical Services.



Mixing

Use 3.6L of clean water for every 20kg bag of FIBRE PLUS. 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 homogeneous lump free mix is formed. Do not overwater!

Foam while mixing, or settling of the sand aggregate while placing, indicates over-watering.

Do not mix more than can be laid in 10 minutes. Never add extra water to this product once it has started to set.

If FIBRE PLUS is bulked with aggregate (aggregate is added last) for layer thicknesses of 10-60mm: approx. 65% wt. clean silica sand (0.1-3.0mm) or clean 3mm granite chippings.

Application

The temperature of the floor must be >+5°C. Pour the FIBRE PLUS onto the prepared surface and trowel to a smooth finish. Use a flooring trowel or float to promote a smooth surface and smooth out any flow lines. Do not mix more than can be laid in 10 minutes. This product can be laid up to 10-12mm in thin layers, ensuring that the previous layer has fully hardened/cured. Allow adequate ventilation during curing. When layer thicknesses is 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 with LevelMaster FIBRE PLUS and should be closed with suitable measures. Do not use at temperatures below +5°C. LevelMaster FIBRE PLUS will accept light foot traffic after approx. 3 hours however, soft floor coverings should not be laid for 24 hours.

Ready For Covering

- 3 to 10mm thickness of LevelMaster FIBRE PLUS 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. 3 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.

Limitations

Do not use at temperatures below +5°C or above +30°C. High temperatures will reduce the open time. Cold or humid conditions will slow the drying times. It is essential that ambient conditions do not exceed 55% RH for at least 28 days after application. Increased levels of humidity can lead to product failure. Do not use externally. We do not recommend use of a spikey roller as this can pull the fibres out. LevelMaster FIBRE PLUS does not provide a final wearing surface and must be covered

with a floorcovering (ceramic tiles, wood flooring or carpet). PVA is not suitable for use as a primer prior to application of smoothing compound.

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

12 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. 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

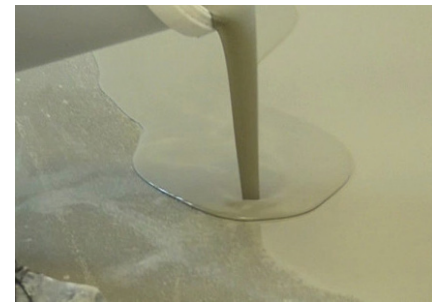
Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

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BOND IT H4 Premier Way, Elland. HX5 9HF. UK	
EN13813:2002 CT-C25-F7 Cementitious screed material for use internally in buildings. DoP: BDHFP20	
Reaction to Fire	Class F
Release of Corrosive Substances	CT
Compressive Strength	C25
Flexural Strength	F7

Specification Summary

Appearance	Grey granular powder
Flammability	Non-flammable
Compressive Strength	>25N/mm ²
Flexural Strength	>7N/mm ²
Pot Life	20 minutes at +20°C
Light Foot Traffic	3 hours
Commodity Code	3824400000



Product / Order Details

Code	Colour	Size	Barcode	UFI
BDHFP20	Grey	20Kg	5056437402240	W4V0-80SX-P001-3616



Part of the Bond It LevelMaster Range

Head Office: Unit H4, Premier Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9HF.
Telephone: +44 (0)1422 315300 **Email:** salesuk@bonditgroup.com
EU Office: SISL (Bond It) Ireland Limited, 70 Sir John Rogerson's Quay, Dublin 2. **Tel:** +353 1 960 9411
Website: www.bonditgroup.com

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.



Version 1: 02/09/24
 Supersedes:

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