

Leveller

Self Levelling Floor Compound

SELF LEVELLER IS A FAST SETTING, PROTEIN FREE, CEMENT BASED FORMULATION USED TO LEVEL OUT ROUGH AND UNEVEN FLOORS AND SCREEDS IN PREPARATION TO LAYING A FLOOR COVERING. IT GIVES A STRONG, FAST SETTING, FREE FLOWING MIX THAT CAN BE APPLIED UP TO 6MM IN ONE COAT. ADDING FLEXMASTER ADDITIVE TO SELF LEVELLER WILL INCREASE FLEXIBILITY, DURABILITY AND ADHESION STRENGTH.

ADVANTAGES:

- Simply mix with water
- Light foot traffic after 4 hours
- Apply up to 6mm in one coat
- Protein free

USES:

For smoothing rough and uneven floors and screeds in preparation for laying floor tiles, vinyl tiles, laminate flooring, carpet and other floor coverings. Self Leveller is only suitable for use onto solid substrates such as concrete, screed, asphalt/bitumen and power floated concrete. Self Leveller is fast setting and is ready to receive foot traffic after 4 hours at 20°C. It is suitable for depths up to 6mm in one application. When mixed with 3mm dry coarse aggregate at a rate of 10kg to 20kg of Self Leveller, it is suitable for depths up to 15mm; however, a thin layer of Self Leveller may be required once set to improve the final finish.

SURFACE PREPARATION:

Before starting, all substrates must be clean, dry and strong enough to support the weight of the leveller, adhesive and the final covering being applied. Remove all dust, dirt, oil, grease and other contaminants that may affect adhesion. Where traces of adhesive remain, these must be strong, sound and well adhered to the surface. Sub-floors directly to earth must have a damp-proof membrane.

For information on preparing all types of surface/substrate prior to applying Levelflex, please refer to "Substrates" below.

RECOMMENDED TOOLS :

- SUITABLE STEEL TROWEL
- SPIKED ROLLER
- SLOW SPEED DRILL AND PADDLE.

ADVANTAGES:

- Dual purpose, water or latex mix
- Light foot traffic after 4 hours
- Protein free

APPLICATION SURFACES

- Concrete
- Asphalt/Bitumen
- Power floated floors
- Screed

FINISHED SURFACES

- Floor paint
- Ceramics
- Lino
- Carpet



TECHNICAL DATA SHEET

MIXING & APPLICATION:

Mix by adding Self Leveller to clean, fresh water, approximately 4.7 – 5 litres of water to 20kg of Self Leveller. We suggest starting at 4.7 litres of water which can then be increased to a maximum of 5 litres if necessary. **Do not exceed 5 litres of water. Exceeding 5 litres of water per unit will result in water bleed and therefore extended drying times and a weakened mix.**

Mix ideally with an electric paddle until you obtain a lump free compound similar in consistency to single cream. When mixed allow to stand for 2 minutes and stir again before application. Use within 25 – 30 minutes of first mixing. Do not add water to product that has started to set.

Pour a small quantity onto the prepared surface and trowel down lightly. Self Leveller will start to cure 45 – 60 minutes after application. The successive laying of coverings is possible after drying (12 – 24 hours depending on the ambient temperature and humidity). If you wish to build to a greater depth of 6mm, allow to dry and prime between applications. For a greater depth of 6mm in one application, add 3mm dry coarse aggregate at a rate of 10kg to 20kg of Self Leveller. Allow to harden and dress the surface with a thin coat of Self Leveller for a smooth finish.

Setting time will depend on atmospheric temperatures. It will be slowed by lower temperatures and accelerated by higher temperatures. Tools must be cleaned in water thoroughly immediately after use.

Please call our 24 hour Helpline 01257 269243. We will be happy to give technical assistance.

SUBSTRATES:

Concrete/screed:

Ensure new concrete is confirmed dry via consistent moisture readings across the whole surface. Sand/Cement screeds must have a moisture reading of less than 75% RH before work can commence. If it is a new screed, allow 1 day per mm for drying. Remove any laitance from the surface mechanically and remove all dust ideally by vacuum.

It is necessary to prime sand/cement screeds to maintain the flow life and prevent air bubbles rising to the surface. Prime with Primeplus diluted 3 parts water to 1 part Primeplus. Very porous substrates will require more than one coat.

Asphalt/Bitumen:

Make sure surface is free of loose dirt and dust. Prime the surface with Primeplus diluted 1 part water to 1 part Primeplus mixed with a little neat cement or sand to form a brush on slurry.

Ceramic tiles:

Remove loose dirt and dust. Prime the surface with Primeplus diluted 1 part water to 1 part Primeplus mixed with a little neat cement or sand to form a brush on slurry.

Anhydrite/Gypsum Screed:

Ensure the Anhydrite/Gypsum screed is confirmed dry via consistent moisture readings across the whole surface. Anhydrite screeds must have a moisture reading of less than 75% RH before work can commence. If it is a new screed, allow 1 day per mm for drying. Remove any laitance from the surface mechanically and remove all dust ideally by vacuum.

Anhydrite/Gypsum screeds must be sealed prior to applying Levelflex by applying one coat of Flexmaster diluted three parts water to one part Flexmaster and allow to dry, followed by a second neat coat of Flexmaster.

Power Floated Concrete:

Ensure the surface has been allowed 7 days to cure. Power floated concrete can leave a loose top layer and/or laitance once it has cured. Remove the loose top layer and any laitance from the surface mechanically or by acid etching and remove all dust and particles ideally by vacuum. Once all laitance has been removed, prime the surface with Primeplus diluted 3 parts water to 1 part Primeplus.

TECHNICAL DATA SHEET

Working time @ 20°C	20 – 30 minutes
Time to foot traffic @ 20°C	3 - 4 hours
Application Thickness	1 – 6 mm. Up to 15mm by incorporating 3mm aggregate.
Coverage	20 kg pack will cover 12 m² at 1mm – 1.5mm thickness
Shelf Life	Stored correctly this product has a shelf life of 6 months
Colours	Grey
Pack Sizes	20kg
Note	Do not use below 5°C. Do not use in areas subject to permanent water immersion. All work must be carried out in accordance with British Standard Code of Practice for floor and wall tiling BS5385

HEALTH AND SAFETY:

This product contains Portland cement. When used and stored as instructed the product will contain no more than 0.0002% (2ppm) of water soluble chromium of the total dry weight of the cement components. Use of this product after the advised storage time may increase the risk of allergic reaction.

The information above is given voluntarily and in good faith. It is to the best of our knowledge true and accurate; however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use, or the possibility of variations of working conditions and of workmanship outside our control.



Tilemaster Adhesives Ltd.,

Unit 4 Tomlinson Point, Tomlinson Road, Leyland, Lancashire PR25 2DY

Tel: +44 (0)845 208 0040 Fax: +44 (0)845 208 0041



www.tilemasteradhesives.co.uk