

LevelFlex

Flexible, Fibre Reinforced
Levelling and Smoothing
Compound

- Apply From 2mm – 50mm In One Application
- Fast Setting, Tile After 3 Hours
- Ideal For Timber Substrates
- Ideal For Use Above Underfloor Heating Systems

CLASS

CT-30-F7

to EN 13813

**APPLY
FROM**

2mm - 50mm

**Walk On After
3 Hours**

**Tile After
3 Hours**



TILEMASTER LEVELFLEX

Flexible, Fibre Reinforced Levelling and Smoothing Compound

DESCRIPTION:

Tilemaster LevelFlex is a protein free, fast setting, flexible, fibre reinforced, cementitious compound designed for levelling and smoothing subfloors. Tilemaster LevelFlex has excellent flow and adhesion properties making it suitable for a wide range of both commercial and domestic applications.

The fibre reinforcement provides additional strength, resulting in a product that can be applied from depths of 2mm – 50mm in one application.

Tilemaster LevelFlex is suitable for use on all common substrates including those subjected to limited movement and/or vibration, making it ideal for encapsulating electric underfloor heating elements and for use over underfloor heated systems.

Being fast setting, Tilemaster LevelFlex will allow light foot traffic and ceramic tiles to be fixed after 3 hours.

PRIMING:

Substrates require priming prior to the application of Tilemaster LevelFlex. Priming the substrate will minimise the risk of pinholes forming, allow for the best flow properties and will also prolong the working time of the product.

Porous Surfaces: Suitably prepared and sufficiently dry substrates, prime with Tilemaster Primeplus diluted 1 part Primeplus to 3 parts water. If the substrate is overly porous then further coats of diluted primer may be required.

Non-Porous Surfaces: Substrates such as Tilemaster FAST One Coat DPM, flooring grade asphalt & bitumen, steel and existing vinyl, ceramic, porcelain and natural stone tiles should be primed with one coat of Tilemaster Prime+ Grip.

Primers should be used in accordance with instructions printed on the bottle and must be allowed to dry before applying Tilemaster LevelFlex.

PUMP APPLICATIONS:

Tilemaster LevelFlex is ideal for pump applications. Mix in accordance with the pump manufacturer's instructions and ensure that regular flow checks are carried out. Ensure the water content is correct and that there is no surface separation. Test samples of the product must be conducted to ensure the pump lines are able to send product through before the product starts to set.

PREPARATION:

Before starting, all substrates must be clean, dry, sound and strong enough to support the weight of the compound and the final floor covering. Remove all dust, dirt, oil, grease and other contaminants that may affect adhesion.

The substrate must be confirmed dry via consistent moisture readings across the whole floor. The residual moisture content must be 75% Relative Humidity (RH) or less, or alternatively the residual moisture content should be 0.5% or less prior to starting. Where a structural damp proof membrane is not present or where rising damp and/or residual moisture levels in cementitious screeds are up to 98% RH, Tilemaster FAST One Coat DPM must be applied before the application of Tilemaster LevelFlex.

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Prior to levelling timber substrates ensure that timber boards are securely screwed down and firmly fixed. Where timber substrates are sufficiently rigid but uneven or worn, Tilemaster LevelFlex can be used to smooth and level the timber substrate prior to over-boarding with a plywood overlay or a tile backer board. If following this process, allow Tilemaster LevelFlex to cure before fitting the overlay boarding.

MIXING AND APPLICATION:

A 20kg bag of Tilemaster LevelFlex requires 4.5 – 5.0 litres of water. Do not add further water once mixed. Exceeding 5.0 litres of water per 20kg will result in water bleed and therefore extended drying times and a weakened mix.

Add the pre-measured water to a clean bucket. Slowly add the powder whilst mixing with an electric paddle until a smooth and lump free consistency is obtained. Once mixed, allow the product to stand briefly before pouring on to the substrate.

N.B. Once mixed, Tilemaster LevelFlex will remain workable in the bucket for 20 - 30 minutes at 20°C.

Pour the mixed product onto the prepared surface and trowel out to the required thickness. The immediate use of a spiked roller will aid in the removal of trapped air, whilst improving the surface finish of the product.

Clean tools immediately after use with clean water.

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SETTING AND COVERING:

In good drying conditions, Tilemaster LevelFlex will allow light foot traffic and ceramic tiles to be fixed after 3 hours, whilst resilient floor coverings are able to be installed after 24 hours. The setting and drying times will be extended at lower temperatures and shortened at higher temperatures, and thicker applications may require a longer time to dry prior to applying floor coverings. If there is no air flow within site conditions, the drying time may be restricted. The critical moisture content for the flooring in question must be observed.

TILEMASTER **LEVELFLEX**

Flexible, Fibre Reinforced Levelling and Smoothing Compound

Screed classification	CT-C30-F7 to BS EN 13813; 2002
Working time @ 20°C	20 – 30 minutes
Time to foot traffic @ 20°C	3 hours
Application thickness	2mm – 50mm
Compressive strength N/mm ² (BS EN 13892-2)	1 day > 15.0 7 day > 20.0 28 day > 30.0
Flexural strength N/mm ² (BS EN 13892-2)	1 day > 3.0 7 day > 5.0 28 day > 7.0
Coverage	20kg will cover 4.2m ² at 3mm thickness
Flow properties using 30mm x 50mm flow ring	135mm – 145mm
Minimum application temperature	5°C
Working Temperature of Cured Adhesive	-40°C to 90°C
Shelf life	Stored correctly this product has a shelf life of 12 months
Colour	Grey
Pack size	20kg
Note	All work must be carried out in accordance with British Standard Code of Practice.

HEALTH AND SAFETY

Tilemaster LevelFlex contains cement. Irritant to respiratory system. Risk of serious damage to eyes, therefore avoid contact with eyes and prolonged contact with skin. Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Wear suitable gloves (e.g. cotton gloves soaked in nitrile) and eye/face protection. If swallowed, seek medical advice immediately and show this container or label. Keep out of reach of children. Low in chromates.

For further information refer to the Material Safety Data Sheet.

The information contained on this Technical Data Sheet 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.