



GS UNDERFLOOR HEATING

Fibre Fortified Floor Leveller

Features

- Polymer modified
- Protein free
- Shrinkage compensated
- Pumpable
- Non crack formulation
- Suitable for underfloor heating

Ultra Tile Level IT FX is a single part concrete floor leveller featuring our specially formulated fibre technology. This high strength, rapid curing and drying cementitious smoothing and levelling compound provides a strong, sound and even base.



**ULTRA
TILE**

Level it fx

**25^K
G**



Fibre Fortified Floor Leveller

The formulation incorporates fibres, specially graded fillers, cements and polymers with a rapid curing profile.

It is mixed with clean cold water to give a free flowing product that can be applied from 3mm to 75mm in one application. A high inherent strength makes it ideal for preparing subfloors prior to installation of tiling materials whilst its flow characteristics give a smoothness suitable for bonding of carpets, wood flooring, vinyl and other resilient floorings in areas ranging from residential to heavy commercial projects.

Suitable substrates include concrete, sand/cement screeds, flooring grade plywood overboarding (minimum 15mm), cement faced tile backer boards, epoxy surface Damp Proof Membranes (DPM) and calcium sulphate screeds.

It is suitable for use over heated screeds where the heating has been fully commissioned (for other underfloor heating systems please contact Instarmac for advice). All subfloors must be protected from subground moisture by the incorporation of a constructional base DPM. Check older properties, particularly pre 1970s, which may not have a base DPM and consult Instarmac for advice. Residual construction moisture should be controlled by the use of an Ultra Floor DPM. Plywood overboarded floors should be sealed on the underside and perimeters with Ultra Floor Prime IT Multi-surface Primer. Plywood absorbency differs depending on the nature of the surface veneer. Normally a diluted coat of Ultra Floor Prime IT Multi-surface Primer (3:1 with clean water) is recommended. For dense veneers of very low absorbency, apply Ultra Floor Prime IT Multi-surface Primer neat in a thin uniform coating. Allow primer coats to fully dry. Ultra Tile Level IT FX is not recommended for use in areas where hydrostatic pressure may be problematic.

SURFACE PREPARATION

All substrates should be prepared to leave a clean, dry, contaminant free surface. This includes removal of existing floor paints, low strength smoothing compounds, old flooring adhesives, surface laitance and any materials that may hinder adhesion. Highly polished surfaces should be mechanically abraded to give a lightly textured surface to key to. Ultra Tile recommend priming substrates prior to the application of Ultra Tile Level IT FX. Please refer to the Ultra Floor Prime IT Multi-surface Primer Datasheet for substrate priming requirements. The primer should always be allowed to dry. Under no circumstances should a PVA primer system be used. For tile backer boards and uncoupling mats or similar, please see advice from the Ultra Tile Technical Department.

MIXING & APPLICATION

Powder and water mixing ratios should be controlled. Do not add excess water as this will greatly affect surface finish, curing and drying times.

Always use clean cold water. Warm water will greatly affect working and open time.

Pour 4.25 litres of water into a clean oversized bucket (minimum 20 litres) and gradually add the Level IT FX powder whilst mixing continuously with electric drill with power whisk. When all the powder is added, mix for a further 2 minutes keeping the whisk below the surface (to minimise air entrapment) until a lump free consistency is attained.

Once mixed, the product can be applied by pouring onto the floor and spreading with a smooth edge steel trowel. Plan to begin at the furthest point working back towards the point of entry to avoid walking through wet product. Maintain a wet edge to ensure adjacent mixes blend in correctly. For large areas or deep sections it may be beneficial to batten off areas into sections. Keep free from floor traffic and other trades whilst curing.

CURING & DRYING

All curing and drying times are based on application of Level IT FX in good ambient conditions of 20°C, 65% air humidity and good ventilation. Cold, humid or damp sites, or those with poor airflow, will prolong curing and drying times, so make adequate allowances for such. Level IT FX should not be subject to strong through draughts or direct sunlight until fully cured, as this will affect surface cure and may cause surface crazing.

A 3mm application will cure to enable light foot traffic after approximately 3 hours.

Ceramic tiles and loose lay floor coverings can be laid in as little as 8 hours after application.

Level IT FX is ready to receive floor finishes after 24 hours (on application between 5 and 15mm), 48 hours (on applications between 15 and 30mm) and 72 hours (on applications between 30 and 50mm).

It is also recommended that the substrate be tested for moisture before applying impervious materials or products susceptible to moisture. A moisture content of 5% or lower is required. Typically impervious covering should not be applied until a minimum of 24 hours has elapsed.

COVERAGE

A 25Kg bag will cover:

- approximately 5m² when applied at a 3mm depth
- approximately 3m² when applied at 5mm depth
- approximately 1m² when applied at 15mm depth

CLEANING

Tools should be cleaned in water immediately after use to remove excess material.

STORAGE

This product must be stored in unopened bags, clear of the ground in cool dry conditions and protected from excessive drafts.

SHELF LIFE

6 months in above conditions.

As with all raw materials, colour variation may occur. Please note that this does not affect the consistency or characteristics of the enclosed product.

QUALITY ASSURANCE

All products are manufactured in a plant whose quality management system is certified/registered as being in conformity with BS EN ISO 9001, ISO 14001 and OHSAS 18001. Ultra Tile products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or continuous control over where and how our projects are used. All Ultra Tile products are sold subject to our conditions of sales, copies of which may be obtained upon request.

HEALTH & SAFETY

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local authority requirements. A full Material Safety Data Sheet relating to this product is available from www.instarmac.co.uk.