

**ULTRA
TILE**



Level *it* one Floor Leveller

20kg



Product Selection Guide

Suitable surfaces & substrates:

✓ Concrete subfloors	✓ Terrazzo/granolithic ceramic tiles	✗ Radiant electrical underfloor heating system
✓ Tamped or pan floated concrete	✓ Anhydrite/calcium sulphate/gypsum based screeds	✗ Vinyl tiles
✓ Sand/cement screeds	✓ Plywood/tile backer board	✓ UltraFloor DPM IT
✓ Existing smoothing underlayments	✓ Warm water underfloor heating	✗ Pre-smoothing prior to DPM or MVS

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TECHNICAL DATASHEET

UltraTile Level IT One is a high strength, rapid curing and drying cementitious smoothing and levelling compound. It provides a strong, sound, even base ideal for fixing anything from small mosaics to large format tiles. The formulation incorporates specially graded fillers, cements and polymers with a rapid curing profile to enable early fixing of tiles even at thicker depth application.

It is mixed with clean cold water to give a free flowing product that can be applied from 3 to 50mm 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 (see Technical Datasheet for priming requirements). UltraTile Level IT One is not recommended over chipboard or particleboard flooring.

It is suitable for use over heated screeds where the heating has been fully commissioned (for other underfloor heating systems please contact UltraTile 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 UltraTile for advice. Residual construction moisture should be controlled by the use of an UltraFloor DPM. Plywood overboarded floors should be sealed on the underside and perimeters with UltraTile ProPrimer. UltraTile Level IT One 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. UltraTile recommend priming substrates prior to the application of UltraTile Level IT One (see full Technical Datasheet). All subfloors should be primed with UltraTile ProPrimer. Primers should always be allowed to dry. Under no circumstances should a PVA primer system be used.

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 3.4 litres of water into a clean oversized bucket (minimum 20 litres) and gradually add UltraTile Level IT One 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 times are based on good ambient conditions of 20°C and air humidity of 65%RH or less with good ventilation. Cold, humid or damp sites, or those with poor airflow, will prolong curing and drying times so make adequate allowances for such. UltraTile Level IT One 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 trafficking after approximately 3 hours.

Ceramic tiles and loose lay floor coverings can be laid in as little as 8 hours after application. Impervious materials or products susceptible to moisture should not be applied until a minimum of 24 hours (see Technical Datasheet for further information).

COVERAGE

A 20Kg bag will cover:

- approximately 4m² when applied at a 3mm depth
- approximately 2.4m² when applied at 5mm depth
- approximately 0.8m² when applied at 15mm depth

CLEANING

Tools should be thoroughly cleaned with water to remove excess material immediately after use and before adhesive sets.

STORAGE

Store in closed original container at temperatures between 5°C and 30°C. Avoid frost. This product must be stored in unopened bags, clear of the ground in cool dry conditions and protected from excessive drafts. Shelf life in correctly sealed bags is 8 months.

SHELF LIFE

Under the above storage conditions this product has a shelf life of 8 months. High temperatures and high humidity will lead to a reduced shelf life.

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 appropriately. A full Material Safety Data Sheet relating to this product is available from ultratileadhesives.co.uk.

QUALITY ASSURANCE

All products are manufactured in a plant whose quality management system is certified as being in conformity with BE EN ISO 9001. UltraTile 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 products are used. All UltraTile products are sold subject to our terms and conditions of sales, copies of which may be obtained upon request.

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