

ULTRA TRADE CONTRACT LEVELLER

RAPID CURING AND
DRYING LEVELLING
COMPOUND

20kg



Water Content



Foot Traffic



Tile After



Classification



20kg:4.8L

Water Content



2 hrs

Foot Traffic



8 hrs

Tile After



C20
F5

EN 13813

Classification



Internal
Use Only



Sand/Cement
Screeds



Concrete
Floors



2-12mm

Depth

Manufactured by
INSTARMAC



Internal
Use Only



Sand/Cement
Screeds



Concrete
Floors



2-12mm

Depth

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

UltraTrade Contract Leveller is a rapid curing and drying cementitious smoothing and levelling compound. It provides a sound, even base which creates an ideal substrate for the fixing of tiles or sealed finishes such as vinyl. The formulation incorporates specially graded fillers, cements and polymers with a rapid curing profile to enable early fixing of finished surfaces. Our specifically formulated product aids application and strength resulting in a strong, sound and even base ready to commence the tiling process after only 8 hours or application of sealed surfaces within 24 hours at 20°C. It is mixed with clean cold water to give a free flowing product that can be applied from 2 to 12mm in one application. Good strength performance 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. Its fast set time (in good ambient conditions) enables light foot traffic within 2 hours. Please ensure moisture content is below 75% RH for non porous coverings/tiles such as porcelain.

SURFACE PREPARATION

Assessment: All subfloors should be protected from moisture from the subground by use of a base damp proof membrane (DPM) (please check older properties, which may not have a base DPM and consult UltraTile for advice). Assess moisture levels in accordance with BS 8203, to achieve a hygrometer reading of 75%RH or less. Where this is not attained a surface DPM should be used – the selection of which will be subject to the subfloor (please seek advice from UltraTile). Any surface laitance, adhesive residue, paints, weak smoothing underlayments and any other materials which will hinder **UltraTrade Contract Leveller's** bond with the subfloor, should be mechanically removed. The subfloor should be clean, dry and sound. The area should also be dust free prior to any primer application.

PRIMING

All ratios are water:primer. Subfloors should always be primed. Primer should be allowed to dry prior to the application of **UltraTrade Contract Leveller**. Drying times will be based on ambient conditions - bear in mind that cold or damp/humid conditions, or poor airflow, can extend drying time (please see Ultra Trade Primer datasheet for further information).

Porous Substrates: The absorbency of floors/screeds can vary significantly, this is to be assessed by personnel on site. Apply a coat of primer diluted 3 parts water to 1 part primer. Allow to completely dry (usually 1-2 hours). Apply a second coat diluted 1 part water to 1 part primer and allow to completely dry before applying further materials. **Note:** on very absorbent substrates a third coat may be required diluted 1 part water to 1 part primer.

Non-porous Substrates: Including very dense substrates/subfloors. UltraTrade Primer should be applied neat, in a thin uniform coating and allowed to dry fully.

SUBFLOOR PREPARATION: WHICH SUBSTRATE?

Concrete Subfloors: Power floated concrete should be treated as non-porous. Mechanically abrade (shotblast or scarify) to remove surface hardeners and expose the cement/aggregate. Apply UltraTrade Primer neat in a thin uniform coating, allowing it to dry fully (usually 1-2 hours).

Tamped or Pan Floated Concrete: Should be treated as porous, and any laitance or weak material should be mechanically removed to ensure a sound, dry and dust-free surface. Apply UltraTrade Primer diluted 3:1 with clean water and allow to dry fully (usually 1-2 hours).

Sand/Cement Screeds: These should be strong enough for an application of **UltraTrade Deep Fill One**. Weak, friable or damaged screed should be uplifted and repaired. Apply UltraTrade Primer diluted 3:1 with clean water and allow to dry fully (usually 1-2 hours). Two-coat application may be required for very absorbent screeds.

Terrazzo/Granolithic Ceramic Tiles: These must be securely bonded, and any surface treatment should be mechanically removed. A good mechanical key should be ensured by abrading the surface using a Surface Texturing & Grinding (STG) machine (a diamond disc is recommended). These subfloors can be treated as low porosity and primed using UltraTrade Primer neat.

Calcium Sulphate/Anhydrite/Hemihydrate Screeds: See relevant manufacturer's technical datasheet. A barrier primer application is required. If moisture is above 75%RH we do not recommend using a surface DPM. These screeds often incorporate warm water underfloor heating systems which can be used, along with dehumidifiers, to speed up the drying process. Screed manufacturers normally suggest this can be conducted after 7 days minimum curing. Mechanically remove any laitance or weak material to leave a clean, dry and dust-free surface. We recommend an STG machine with suitable mesh grinding disc of 60-100 grade grit. Apply UltraTrade Primer diluted 3:1 with clean water and allow to fully dry overnight. Apply a second coat diluted 1:1 with clean water allowing it to dry to a clear film (usually 1-2 hours).

For any other scenarios please call UltraTrade Technical Services for advice.

MIXING & APPLICATION

Mixing ratios of powder and water should be controlled to ensure a free flowing material suitable for 2-12mm depth application. Do not use excess water as this will affect the product performance and finish. For trowel/ hand application mix in a clean bucket using clean cold water, as warm water will greatly reduce the product's working time and may result in shrinkage. Pour 4.8 Litres of water into an oversized bucket (20+ Ltrs), and then gradually add the powder whilst mixing continually with an electric drill with power whisk. When all powder is added mix for a further 2 minutes, keeping the whisk below the surface (to minimise air entrapment) until a lump free creamy material 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 good site conditions, air temperature of 20°C, air humidity of maximum 75% 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. Avoid strong drafts and direct sunlight during curing which can 'force dry' the product and result in excess tension and cracking.

UltraTrade Contract Leveller is ready to receive light foot traffic after 2 hours, and floor coverings can be bonded after 8 hours.

Cold, humid or damp sites, or those with poor airflow, will prolong curing and drying times so make adequate allowances for such. Vebro Commercial Leveller 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.

TECHNICAL DATA

Specification:	BS EN13813:2002
Classification:	CT-C20-F5
Depth:	2-12mm
Working time at 20°C:	*20-30 Minutes
Walk on hardness time at 20°C:	*2 Hours (3mm application)
Commence the tiling process:	*8 Hours (3mm application)
Tile on time:	12 hours
Compressive Strength (N/mm²):	1 Day: >12.0 (to BS EN 13892-2) 7 Day: >15.0 (to BS EN 13892-2) 28 Days: >20.0 (to BS EN 13892-2)
Flexural Strength (N/mm²):	1 Day: >3.0 (to BS EN 13892-2) 7 Day: >4.0 (to BS EN 13892-2) 28 Day: >5.0 (to BS EN 13892-2)

COVERAGE

Applied Thickness	Coverage Per Unit (approx.)	Consumption Per 100m ² Area
▶ 3mm	▶ 4.0m ²	▶ 25 bags
▶ 5mm	▶ 2.4m ²	▶ 42 bags
▶ 12mm	▶ 1.0m ²	▶ 100 bags

CLEANING

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

STORAGE

Store in a dry place between 5-30°C. Shelf life is 8 months in correctly sealed bags. High temperatures and high humidity will lead to a reduced shelf life. Avoid frost.

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 Safety Data Sheet relating to this product is available from myultrade.com.

QUALITY ASSURANCE

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

Please note that this product uses natural aggregates and other materials that may marginally vary in colour. This does not affect the consistency or characteristics of the product.



Manufactured by
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