

Rapid Level 30

Ultra-Rapid Setting, Flexible,
Single Component Smoothing
And Levelling Compound

PROFESSIONAL FLOORING PRODUCTS

-  Tile after 45 - 60 minutes
-  Apply from 2mm - 15mm
-  Ultra-Rapid setting
-  Excellent flow and self-levelling properties
-  Ideal to encase electric underfloor heating cables
-  Simply mix with water
-  Protein free

**ULTRA-
RAPID
SETTING**

**WALK ON
AFTER
30
MINUTES**

**TILE ON
AFTER ONLY
45 - 60
MINUTES**



TILEMASTER **RAPID LEVEL 30**

Ultra-Rapid Setting, Flexible, Single Component Smoothing and Levelling Compound

DESCRIPTION:

Rapid Level 30 is an ultra-rapid setting and drying, flexible, single component smoothing and levelling floor compound. It has been specially formulated using advanced binder technology and selected additives to provide an underlayment which is ideal for when a genuine, fast-track solution is required. At 23°C, Rapid Level 30 is ready to receive ceramic, porcelain and natural stone tiles after 45 – 60 minutes. Rapid Level 30 can be applied from depths of 2mm - 15mm in one application and it is suitable for use on all common substrates including underfloor heating systems and overlaid timber substrates. Rapid Level 30 is ideal for encapsulating electric underfloor heating elements prior to the application of ceramic, porcelain and natural stone tiles. The product has excellent flow and self-levelling properties making it suitable for a wide range of both commercial and domestic applications.

PREPARATION:

Preparation of all substrates is crucial to the success and longevity of all installations. All substrates, as stated in BS 5385, must be rigid, flat, clean, dry and sound and be free of any contaminants. Anything that could compromise adhesion to the substrate, such as dust, dirt, oil, grease, laitance, sealers, waxes and curing agents will need to be mechanically removed. Ensure that all substrates and backgrounds are strong enough to carry the weight of the compound as well as all finished floor coverings and fixing materials.

PRIMING:

Substrates require priming prior to the application of Tilemaster Rapid Level 30. 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 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 Rapid Level 30.

MIXING AND APPLICATION:

A 20kg bag of Tilemaster Rapid Level 30 requires 4.8 – 5.0 litres of water.

Add the pre-measured water to a clean bucket and slowly add the powder whilst mixing with an electric paddle. Mix until a smooth and lump free consistency is obtained. Do not add further water once mixed. Exceeding 5.0 litres of water per 20kg will result in water bleed, extended drying times, a weakened mix and poor surface finish.

N.B: Once mixed, Tilemaster Rapid Level 30 has a pot life of 10 - 15 minutes at 23°C. Due to the ultra-rapid setting properties of Tilemaster Rapid Level 30, it is important to apply the mixed product without delay.

Pour the compound onto the prepared surface and trowel to the required depth of between 2mm and 15mm. The use of a spiked roller is recommended immediately in order to remove entrapped air and smooth out flow lines. The setting time will then depend on atmospheric conditions/temperatures - it will be slowed by lower temperatures and accelerated by higher temperatures.

SETTING AND COVERING:

In ideal conditions, Tilemaster Rapid Level 30 will be set to walk on after 30 minutes. Tilemaster Rapid Level 30 must be left to dry before applying the final surface flooring. This is typically after 45 - 60 minutes for ceramic, porcelain and natural stone tiles. Thicker applications may require a longer time to dry prior to applying floor coverings. If there is no airflow within site conditions, the drying time may be restricted.

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Screed classification	CT-C35-F10 to BS EN 13813; 2002
Working time @ 23°C	10 – 15 minutes
Time to foot traffic @ 23°C	30 minutes
Application thickness	2mm – 15 mm
Compressive strength N/mm ² (BS EN 13892-2)	1 day > 20.0 7 day > 30.0 28 day > 35.0
Flexural strength N/mm ² (BS EN 13892-2)	1 day > 4.0 7 day > 7.0 28 day > 10.0
Coverage	20kg will cover 4.2m ² at 3mm thickness
Flow properties using 30mm x 50mm flow ring	135mm – 150 mm
Minimum application temperature	5°C
Shelf life	Stored correctly this product has a shelf life of 6 months
Colour	Beige
Pack size	20 kg
Note	All work must be carried out in accordance with British Standard Code of Practice.


HEALTH AND SAFETY

Tilemaster Rapid Level 30 contains cement. Contact with moisture or gauging water sets off an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes (e.g. eyes). 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.

NOTE: This product is not designed nor potentially suitable for the repair or making good of newly installed screeds that have been installed being knowingly faulty, out of manufacturers specification or with defects outside of the manufacturers or installers usual standards and specification.

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Tilemaster Adhesives Ltd Kerakoll Group Tomlinson Road Leyland PR25 2DY United Kingdom	
EN 13813:2002 CT-C35-F10 Ultra Rapid Setting Cementitious screed material for use internally in buildings	
Reaction to fire	NPD
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C35
Flexural strength	F10
Wear resistance	NPD
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD