

RAPID LEVEL CT 3220

Rapid setting smoothing / levelling compound. 3 to 20 mm in one application. Install ceramic, porcelain or natural stone tiles in just 45 minutes



DESCRIPTION

Rapid Level CT 3220 is a very fast setting smoothing and levelling compound, designed for use on new and existing floors in commercial and domestic environments.

- Can be trowel applied.
- 3 to 20 mm in one application.
- Install ceramic, porcelain or natural stone tiles in just 45 minutes.
- Suitable for both underfloor and under tile heating systems.
- High compressive strength.

WHERE TO USE

For internal use only. For levelling, smoothing and infilling differences of between 3 and 20 mm in a single application. Suitable for levelling a variety of substrates including new or existing concrete, screeds, stone & ceramic tiles and over boarded timber floors.

Rapid Level CT 3220 is suitable in areas subjected to castor wheels and onto screeds incorporating under floor heating systems. Also suitable for encapsulating electrical under tile heating systems.

TECHNICAL CHARACTERISTICS

Rapid Level CT 3220 is a grey powder consisting of special cements with rapid setting and hydration properties together with graded silica sands, resins and special additives, according to a formula developed in the MAPEI Research and Development Laboratories. Mixed with water, **Rapid Level CT 3220** becomes a highly fluid and easily workable mortar which is self-levelling and dries extremely quickly. **Rapid Level CT 3220** can be applied up to 20 mm per coat without shrinkage, cracking or crazing, and develops very high compressive and flexural strength, in addition to resistance to indentation and abrasion. **Rapid Level CT 3220** is ready to receive ceramic, porcelain or natural stone tile floor coverings after approximately 45 minutes.

RECOMMENDATIONS

- Do not add water to a mix which has already started to set.
- Do not add lime, cement or gypsum to the mix.
- Do not use for external applications.
- Do not use on substrates subject to continuous rising damp.
- Do not apply at temperatures below +5°C.

APPLICATION PROCEDURE

Preparation of the substrate

The substrate should be dry, clean, structurally sound, free from dust, loose particles, grease, paint, oil and plaster, surface laitance, residues or any other contaminate that may impair adhesion. Cementitious screeds that are not compacted

sufficiently should be removed or where possible, consolidated using Mapei **Profas** or **Primer EP**. Cracks in the substrate should be repaired using MAPEI **Eporip**. The substrate should be primed using Mapei **Eco Prim T Plus**. Non absorbent or difficult substrates should be primed with Mapei **Eco Prim Grip Plus**. Plywood boards must be minimum of 15 mm external grade, screw fixed at maximum 300 mm centres, to ensure no differential movement between boards. Anhydrite screeds can be levelled with **Rapid Level CT 3220** if sufficiently dry, but must first be abraded to remove all surface laitance and primed with Mapei **Eco Prim T Plus** (diluted with water 1:2). Ceramic and natural stone substrates must be cleaned, degreased, mechanically abraded and primed with MAPEI **Eco Prim Grip Plus**.

Preparing the Mix

Pour a 20 kg bag of **Rapid Level CT 3220** into a bucket containing 3.2-3.4 litres of clean water and mix using a variable speed electric drill and paddle to ensure a homogeneous lump-free mix. Allow to stand for 2-3 minutes before mixing again for 30 seconds. The quantity of **Rapid Level CT 3220** mixed at any time must be used within the 10 minutes working time (at +23o C).

Application

Apply **Rapid Level CT 3220** in a single coat from 3 to 20 mm in thickness. To help minimise aeration, a spiked roller can be used.

The self levelling properties of **Rapid Level CT 3220** will provide a suitable surface to receive ceramic, porcelain or natural stone tiled finishes after 45 minutes.

Cleaning

While still wet, **Rapid Level CT 3220** can be removed from tools with water.

Coverage

Approximately 5 m² at 3 mm thickness per 20 kg bag.

PACKAGING

20 kg bags.

STORAGE

Rapid Level CT 3220 has a storage life of approximately 12 months in dry conditions. PROTECT FROM FROST AND HUMIDITY.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Rapid Level CT 3220 Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.co.uk.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	fine powder
Colour:	grey
Bulk density (kg/m³):	1400
Dry solids content (%):	100
APPLICATION DATA (at +23°C - 50% R.H.)	
Mixing ratio:	3.2 to 3.4 litres of water per 20kg bag.
Thickness per coat:	3 mm to 20 mm

Self-levelling:	yes
Bulk density (kg/m ³):	2100
pH of mix:	12
Application temperature range:	from +5°C to +30°C
Open time:	10-15 minutes
Setting time:	15-25 minutes
Set to light foot traffic:	30 minutes
Time before installing floor tiles:	45 minutes
FINAL PERFORMANCE DATA	
Compressive strength (N/mm ²): – after 1 day: – after 3 days: – after 7 days: – after 28 days:	20 25 28 32
Flexural strength (N/mm ²): – after 1 day: – after 3 days: – after 7 days: – after 28 days:	3-5 5 7 8
Resistance to abrasion: – after 28 days:	2.5

N.B.

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification. End users should ensure that our latest product data and safety information sheets have been consulted prior to use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.co.uk.

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation. The most up-to-date TDS can be downloaded from our website www.mapei.co.uk.

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