MAPEI

CE
EN 13813

CT
CEMENTITIOUS SCREED
C30-F7
E
MAPEI
IN COMPLIANCE WITH EUROPEAN STANDARDS
EN 13813

Rapid Level CT 3220

Rapid setting smoothing / levelling compound.
3 to 20 mm in one application.
Install ceramic 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. It can be trowel applied.

- 3 to 20 mm in one application.
- Install ceramic 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 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 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.

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 inpair adhesion.
Cementitious screeds that are not compacted sufficiently should be removed or where possible, consolidated using Mapei **Prosfas** or **Primer EP**.
Cracks in the substrate should be repaired using MAPEI **Eporip**.

Rapid Level CT 3220

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:	15-17% for 100% powder
Thickness per coat:	3 mm to 20 mm
Self-levelling:	yes
Density of the mix (kg/m³):	2100
pH of the 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:	40 minutes
Time before installing floor tiles:	45 minutes
FINAL PERFORMANCE DATA	
Compressive strength (N/mm²): **after 1 day:** **after 3 days:** **after 7 days:** **after 28 days:**	 20 25 28 32
Flexural strength (N/mm²): **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

The substrate should be primed using Mapei **Eco Prim T Plus**. Non absorbent or difficult substrates should be primed with Mapei **Eco Prim Grip.**
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**.

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 +23°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 tiled finishes after 45 minutes.

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

Coverage
Approximately 5 m^2 at 3 mm thickness per 20 kg bag.

PACKAGING
20 kg.

STORAGE
Rapid Level CT 3220 has a storage life of approximately 12 months in dry conditions. The product complies with the conditions of Regulation (EC) N° 1907/2006 (REACH), Annex XVII, item 47.
PROTECT FROM FROST AND HUMIDITY.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION
Rapid Level CT 3220 is irritant; it contains cement that when in contact with sweat or other bodily fluids causes irritant alkaline reactions and allergic reactions of those pre-disposed. During use wear protective gloves and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention.
For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

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

LEGAL NOTICE
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.
ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.co.uk

Rapid Level
CT 3220

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

4072-5-2019 (UK)

MAPEI®

BUILDING THE FUTURE