

ULTRAPLAN MAXI 3230

Ultra-fast drying self-levelling compound for thicknesses from 3 to 30 mm



CLASSIFICATION ACCORDING TO EN AND UKCA 13813

Floors levelled with **Ultraplan Maxi 3230** in accordance with the specifications described in this technical data sheet are classified as CT-C35-F7-A2FL according to EN 13813.

WHERE TO USE

Ultraplan Maxi 3230 is used for levelling and smoothing differences in thicknesses from 3 to 30 mm on new or existing substrates, preparing them to receive all kinds of flooring where high resistance to loads and traffic is required. **Ultraplan Maxi 3230** is especially suitable for areas subject to castor wheels and underfloor heating systems. **Ultraplan Maxi 3230** is for interior use only.

Some application examples

- Levelling screeds incorporating electric heating cables prior to laying ceramic tiles or resilient floors.
- Levelling concrete slabs and cementitious screeds or **Mapecem**, **Mapecem Pronto**, **Topcem** or **Topcem Pronto** based screeds.
- Levelling prepared anhydrite substrates.
- Levelling subfloors containing underfloor heating systems.
- Levelling existing concrete floors, terrazzo, ceramic, natural stone and floors.

TECHNICAL CHARACTERISTICS

Ultraplan Maxi 3230 is a grey powder composed of rapid setting and hydrating special cements together with selected graded silica sand, resins and special additives, produced to a formula developed in the MAPEI Research and Development Laboratories.

Mixed with water **Ultraplan Maxi 3230** becomes a highly fluid and easily workable mortar, with perfect self-levelling properties, and high adhesion to the substrate and ultra-rapid drying.

Ultraplan Maxi 3230 can be applied with an automatic pressure pump for areas over 100 m.

Ultraplan Maxi 3230 can be spread in thicknesses up to 30 mm per coat without shrinkage, cracking or crazing, and develops very high compressive and flexural strength, as well as resistance to indentation and abrasion.

Ultraplan Maxi 3230 is ready to receive the flooring as soon as it has dried: the time required depends on the thickness of the levelling layer, the environmental temperature and relative humidity and on the absorption of the substrate.

RECOMMENDATIONS

- Do not add more water to a mix which has already begun to set.
- Do not add lime, cement or gypsum to the mix.
- Do not use **Ultraplan Maxi 3230** for exterior levelling.
- Do not use **Ultraplan Maxi 3230** on substrates subject to continuous rising damp.
- Do not use as a floating screed. **Ultraplan Maxi 3230** must always be anchored to a solid substrate.
- Do not use **Ultraplan Maxi 3230** on metal surfaces.
- Do not apply **Ultraplan Maxi 3230** at temperatures below +5°C.

APPLICATION PROCEDURE

Preparation of the substrate

Substrates must be dry, sound, free from dust, loose areas, paint, wax, oil, rust and traces of gypsum. Cement-based surfaces not sufficiently solid must be removed or, where possible, consolidated with **Prosfas**. Cracks must be repaired with **Eporip**. Cementitious substrates must be primed with **Eco Prim T Plus** diluted 1:2 with water. Anhydrite screeds must be mechanically abraded and can only be levelled with **Ultraplan Maxi 3230** after being primed with **Eco Prim T Plus** diluted 1 : 2 after the surface has been mechanically abraded. On all non absorbent substrates apply **Eco Prim Grip Plus** after the surfaces have been cleaned with detergents and mechanically abraded. Level with **Ultraplan Maxi 3230** after **Eco Prim Grip Plus** has dried completely.

Preparing the mix

Pour a 25 kg bag of **Ultraplan Maxi 3230** into a bucket containing 4.5-4.75 l of clean water and mix with a low speed electric mixer to obtain an homogeneous, self-levelling, lump free mix. Larger quantities of **Ultraplan Maxi 3230** can be prepared in suitable mixers. After 2-3 minutes of **Ultraplan Maxi 3230** slackening, the mix should be re-stirred and then it is ready for use. The amount of **Ultraplan Maxi 3230** mixed at any time must be used within 30-40 minutes (at a temperature of +23°C).

Applying the mix

Apply **Ultraplan Maxi 3230** in a single coat from 3 to 30 mm with a large metal trowel. To minimise aeration a spiked roller can be used. **Ultraplan Maxi 3230** can also be applied with an automatic pressure pump. Due to its remarkable self-levelling characteristics, **Ultraplan Maxi 3230** immediately eliminates small imperfections (trowel marks, etc.). When laying underfloor heating systems follow the regulations for the preparation of the substrate and the heating commissioning procedure. On large surfaces follow all the movement joints present in the substrate and form control joints for every 50 m² approx.

CLEANING

When fresh, **Ultraplan Maxi 3230** can be removed from tools and hands with water.

CONSUMPTION

Approx. 5m² at 3mm thickness.

PACKAGING

Ultraplan Maxi 3230 is available in 25 kg bags.

STORAGE

Ultraplan Maxi 3230, stored in a dry place, is stable for at least 12 months. A longer storage (over 12 months) could determine a slower setting time of **Ultraplan Maxi 3230**. However, the performances of the levelling layer at longer ages are not significantly modified.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

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) Conformity with: – European EN 13813 CT-C35-F7-A2 _{fl} – UKCA 13813	
PRODUCT IDENTITY	
Consistency:	fine powder
Colour:	grey
Bulk density (kg/m ³):	1,300
Dry solids content (%):	100
EMICODE:	EC1 Plus - very low emission
APPLICATION DATA (at +23°C - 50% R.H.)	
Mixing ratio:	4.5-4.75 litres of water per 25 kg bag
Thickness per coat (mm):	from 3 to 30
Self-levelling:	yes
Density of mix (kg/m ³):	2,050
pH of mix:	approx. 12
Application temperature range:	from +5°C to +30°C
Pot life:	30-40 minutes
Setting time:	50-70 minutes
Set to light foot traffic:	3-12 hours
Time before laying flooring:	ceramic tiles: 3-12 hours resilient and wood floors: 12-72 hours For greater thickness and/or low temperature conditions, an extended waiting time could be required.
FINAL PERFORMANCE	
Compressive strength (N/mm ²): – after 1 day: – after 3 days: – after 7 days: – after 28 days:	20.0 25.0 27.0 35.0
Flexural strength (N/mm ²): – after 1 day: – after 3 days: – after 7 days: – after 28 days:	3.5 4.5 5.0 8.0
Resistance to abrasion: Taber Abrasimeter (Abrading wheel H22 disc - 550 g - 200 rpm) expressed in weight loss (g): – after 7 days: – after 28 days:	1.5 1.2

Brinell hardness (N/mm ²):	
– after 1 day:	70
– after 3 days:	80
– after 7 days:	90
– after 28 days:	100

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

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