



Ultraplan Maxi 3230



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

CLASSIFICATION ACCORDING TO EN 13813

Floors levelled with **Ultraplan Maxi 3230** in accordance with the specifications described in this technical data sheet are classified as CT-C35-F7-A2_{FL} 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 caster 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

Preparing 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 **Profas**.

Cracks must be repaired with **Eporip**.

Cementitious substrates must be primed with **Eco Prim T** 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** or **Mapeprim SP** after the surface has been mechanically abraded.

On existing ceramic tile or natural stone floors apply **Mapeprim SP** after the surfaces have been cleaned with detergents and mechanically abraded. Level with **Ultraplan Maxi 3230** before **Mapeprim SP** 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 restirred 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 and spiked roller.

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

1.7 kg/m² per mm of 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. The product complies with the conditions of Annex XVII to Regulation (EC) N° 1907/2006 (REACH) - All. XVII, item 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultraplan Maxi 3230 contains cement that when in contact with sweat or other body fluids causes irritant alkaline reaction and allergic reactions to those predisposed. It can cause damage to eyes. It is recommended to use protective gloves and goggles and to take the usual precautions for handling chemical products.

In case of contact with 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

TECHNICAL DATA (typical values)

Conformity with:

– European EN 13813 CT-C35-F7-A2_{fl}

PRODUCT IDENTITY

Consistency: fine powder

Colour: grey

Bulk density (kg/m³): 1,300

Dry solids content (%): 100

EMICODE: EC1 R 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/m³): 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 hours

Time before laying flooring: 1-3 days depending thickness ambient temperature

FINAL PERFORMANCE

Compressive strength (N/mm²):
– after 1 day: 20.0
– after 3 days: 25.0
– after 7 days: 27.0
– after 28 days: 35.0

Flexural strength (N/mm²):
– after 1 day: 3.5
– after 3 days: 4.5
– after 7 days: 5.0
– after 28 days: 8.0

Resistance to abrasion:
Taber Abrasimeter (Abrading wheel H22 disc -
550 g - 200 rpm) expressed in weight loss (g):
– after 7 days: 1.5
– after 28 days: 1.2

Brinell hardness (N/mm²):
– after 1 day: 70
– after 3 days: 80
– after 7 days: 90
– after 28 days: 100

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to the latest version of our Material 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.



This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gesellschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



Our Commitment To The Environment
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

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



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