

ULTRAPLAN ECO 3215 ZERO

Ultra-fast hardening self-levelling compound for thicknesses from 3 to 15 mm



CO₂ FULLY OFFSET PRODUCTS

Ultraplan Eco 3215 Zero is part of the CO₂ Fully Offset in the Entire Life Cycle line of products. CO₂ emissions measured throughout the life cycle of products from the Zero line in 2025 using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset through the acquisition of certified carbon credits in support of forestry protection projects. A commitment to the planet, to people and to biodiversity. For more details on how emissions are calculated and on climate mitigation projects financed through certified carbon credits, visit the webpage zero.mapei.com.

CLASSIFICATION ACCORDING TO EN 13813

Ultraplan Eco 3215 Zero smoothing compound as described in this data sheet is classified as CT-C25-F7-A2FL-s1 according to European Norm EN 13813.

WHERE TO USE

Ultraplan Eco 3215 Zero is used for interior levelling and removing differences in thickness from 3 to 15 mm of new or existing substrates, preparing them to receive any kind of flooring where excellent resistance to loads and traffic is needed.

Ultraplan Eco 3215 Zero is particularly suitable for areas subject to wheeled traffic.

Ultraplan Eco 3215 Zero is for interior use only.

Ultraplan Eco 3215 Zero is suitable for screeds incorporating under floor heating systems and can be used as a self-leveller over electrical under floor heating systems.

Some application examples

- Levelling concrete slabs, sand cement screed, **Mapecem** and **Mapecem Pronto**, **Topcem** or **Topcem Pronto**, and anhydrite screeds containing underfloor heating.
- Levelling existing cement, terrazzo, ceramic and natural stone floors.

TECHNICAL CHARACTERISTICS

Ultraplan Eco 3215 Zero is a grey powder consisting of special cements with rapid setting and hydration together with graded silica sand, resins and special additives, according to a formula developed in the MAPEI Research and Development Laboratories.

Mixed with water **Ultraplan Eco 3215 Zero** becomes a highly fluid and easily workable mortar, which is self-levelling, with high adhesion to the substrate and dries ultra-quickly.

Ultraplan Eco 3215 Zero can be applied with an automatic pressure pump for distances over 100 m. **Ultraplan Eco 3215 Zero** can be spread in thicknesses up to 15 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 Eco 3215 Zero is ready to receive flooring after approximately 12 hours, regardless of the thickness. It is recommended to wait 24 hours before installing wooden flooring.

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 **Ultraplan Eco 3215 Zero** for exterior levelling work.
- Do not use **Ultraplan Eco 3215 Zero** on substrates subject to continuous rising damp.
- If a further coat of **Ultraplan Eco 3215 Zero** needs to be applied once the preceding one is completely dry, first apply **Eco Prim T Plus Zero**.
- Do not apply **Ultraplan Eco 3215 Zero** at temperatures below +5°C.

APPLICATION PROCEDURE

Preparation of the substrate

Substrates must be completely dry, solid, 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, consolidate with **Prosfas** or **Mapeproof ESM**.

Fissures in concrete substrates must be repaired with **Eporip** or **Eporip SCR**.

Cementitious subfloors must be treated with a coat of **Eco Prim T Plus Zero** diluted with water up to 1:4.

Anhydrite screeds can be levelled with **Ultraplan Eco 3215 Zero**, but must first be abraded to remove any surface laitance and then primed with a coat of **Eco Prim T Plus Zero** (diluted with water up to 1:2), before the application of **Ultraplan Eco 3215 Zero**.

Ceramic and natural stone substrates must be cleaned with detergents and abraded and then primed with **Eco Prim T Plus Zero** or **Eco Prim Grip Plus**.

Preparing the mix

Pour a 20 kg bag of **Ultraplan Eco 3215 Zero** into a bucket containing 4.8 to 5 litres of clean water and mix with a low speed electric mixer to obtain an homogeneous lump free mix.

Larger quantities can be prepared in on-site mixers.

After 2-3 minutes of slackening, restir the mix. The mix is then ready for use.

The quantity of **Ultraplan Eco 3215 Zero** mixed at any time must be used within 20-30 minutes (at +23°C).

Spreading the mix

Apply **Ultraplan Eco 3215 Zero** in a single coat from 3 to 15 mm with a large metal trowel or rake keeping the trowel slightly inclined to obtain the desired thickness.

Ultraplan Eco 3215 Zero can also be applied with an automatic pressure pump.

Due to its exceptional self levelling properties **Ultraplan Eco 3215 Zero** immediately loses small imperfections (trowel marks, etc.).

Ultraplan Eco 3215 Zero is suitable to receive resilient, carpet, and ceramic floor coverings fixed after 12 hours at +23°C (the time can vary, depending on the room temperature and humidity). When installing wood flooring or natural stone, wait 24 hours.

CLEANING

While still wet, **Ultraplan Eco 3215 Zero** can be removed from tools with water.

COVERAGE

One unit will cover approx. 4.5m² at 3mm thickness.

PACKAGING

Ultraplan Eco 3215 Zero is available in 20 kg bags.

STORAGE

Ultraplan Eco 3215 Zero stored in a dry place is stable for at least 12 months. However, with time it could undergo a slower setting time but the final characteristics do not alter.

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)

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:	4.8 to 5 litres of water per 20 kg bag.
Thickness per coat:	3 mm to 15 mm
Self-levelling:	yes
Density of mix (kg/m ³):	2,000
pH of mix:	approx. 12
Application temperature range:	from +5°C to +30°C
Open time:	20 - 30 minutes
Setting time:	45 - 60 minutes
Set to light foot traffic:	3 hours
Time before laying flooring:	12 hours (24 hours for wood flooring)

FINAL PERFORMANCES (at +23°C and 50% R.H.)

Compressive strength (N/mm²):

– after 1 day:	12
– after 3 days:	17
– after 7 days:	20
– after 28 days:	26

Flexural strength (N/mm²):

– after 1 day:	3
– after 3 days:	4
– after 7 days:	5
– after 28 days:	7

Resistance to abrasion Taber Abrasimer (Abrading wheel H22 - 500 g - 200 revolutions) expressed as weight loss (g):

– after 7 days:	2.8
– after 28 days:	2.3

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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