

PLANIPATCH XTRA ZERO

Fine-grained, ultra-fast drying thixotropic cementitious patching compound for local repairing in thicknesses from 0 - 50 mm per coat



CLASSIFICATION ACCORDING TO EN 13813

Planipatch Xtra Zero, used as smoothing compound as described in this Technical Data Sheet, is classified as CT-C35-F7-A1_{FL} according to European standard EN 13813.

CO₂ FULLY OFFSET PRODUCTS

Planipatch Xtra 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.

WHERE TO USE

Planipatch Xtra Zero can be used for the local repairing and skim coating, even down to a “feather-edge” (0 mm), of interior floors, walls, steps and corners where quick hardening and drying, together with a particular smooth final surface, are required.

Planipatch Xtra Zero is suitable for surfaces in residential, offices, commercial, institutions and industrial premises.

Some application examples

Suitable for:

- Skim coating unfinished, rough-textured substrates, even down to a “feather-edge”.
- Filling voids, holes and cracks in the substrates (provided they are stable).
- Fast edging or local repairing before installation of floor coverings, or final smoothing with suitable self-levelling compounds.
- Patching and local repairing of stairs, landings and edges of columns.

Suitable on:

- Concrete floor slabs, cement-based screeds, and screeds made using **Mapecem**, **Mapecem Pronto**, **Topcem** or **Topcem Pronto**.
- Anhydrite and magnesium-based screeds.
- Heated floors.
- Ceramic tiles, terrazzo tiles and natural stone.
- Concrete walls and cement renders.
- Old substrates with strongly bonded residues of waterproof adhesives or smoothing compounds.
- Stairs, landings and column edges.

When mixed with **Latex Plus**, **Planipatch Xtra Zero** can be used for feathering or patching properly prepared metal and wood surfaces, old substrates with residues of paints, resin and bitumen-based adhesives, fully adhered resilient and wood flooring.

Planipatch Xtra Zero + **Latex Plus** can also be used as a primer and bonding agent before the application of levelling compounds onto impervious substrates.

TECHNICAL CHARACTERISTICS

Planipatch Xtra Zero is a grey powder made from special cement binders, selected graded aggregates and synthetic additives according to a formula developed in MAPEI's own R&D-laboratories.

When mixed with water, **Planipatch Xtra Zero** forms a thixotropic paste with good workability and high bonding strength to the substrate. Thanks to the very fine texture, it can be applied down to a "feather-edge" in order to obtain an even and closed surface. The special binders allow to model and smooth the patching compound quickly, in order to obtain the required surface.

When used **as a patching compound or for local repairing**, **Planipatch Xtra Zero** can be used in thicknesses from 0 to 50 mm. In normal conditions, the final smoothing with suitable self-levelling compounds and the installation of all kinds of floorings can be carried out after 45 - 60 minutes.

When used **for levelling and smoothing large areas**, the allowed maximum thickness is 10 mm. In this case, the surface is ready for installing any kind of coverings or to be painted after 4 - 6 hours. **Planipatch Xtra Zero** reaches a very high level of mechanical strength and resistance to impact and abrasion.

Substrates skimmed or smoothed over with **Planipatch Xtra Zero** have a very smooth, fine-textured finish, particularly suitable for resilient floor coverings.

Planipatch Xtra Zero provides the lowest possible level of emissions since it's certified EMICODE EC1 Plus (very low emission) from GEV.

RECOMMENDATIONS

- Do not mix **Planipatch Xtra Zero** with more than the recommended amount of water and do not add water once it has started to set.
- Do not add lime, cement, gypsum or other binders to the mix.
- Do not use **Planipatch Xtra Zero** on exterior surfaces.
- Do not use **Planipatch Xtra Zero** on substrates subject to continuous capillary rising damp (contact MAPEI Technical Services Department).
- Do not use **Planipatch Xtra Zero** at temperatures lower than +10°C.
- Protect surface in hot and/or windy weather to prevent the water from evaporating off too quickly.
- Do not leave bags of **Planipatch Xtra Zero** exposed to direct sunlight or near sources of heat prior to it being used.
- In the case of **Planipatch Xtra Zero** is used for levelling and smoothing large areas, the minimum thickness has to be at least 3 mm when bonding parquet.
- Do not use **Planipatch Xtra Zero** as a final wear surface.
- Do not use **Planipatch Xtra Zero** on dusty or crumbling surfaces, or on surfaces with oil or grease stains.
- Do not use **Planipatch Xtra Zero** on textiles or on other deformable substrates such as asphalt (contact MAPEI Technical Services Department).
- The finished, hardened surface must be prepared according to the covering manufacturer's recommendations.
- Do not expose the surface to draughts or direct sunlight before, during and 1 to 3 days after application.

- Do not use dehumidifiers before, during and 3 days after application.
- Do not use gas heating before, during and after application.
- Temperature and relative humidity should always be measured and recorded in the laying protocol before application.
- The material in powder form should be stored in heated areas prior to application. Strongly cooled material carries the risk that certain additives will not be able to dissolve properly during mixing. Too high temperature in the material carries the risk that the material gets a shorter processing time and sets too early.

APPLICATION PROCEDURE

Preparation of the substrate

The substrate must be dry, sound, clean, and free of dust, loose or detached material, paint, wax, oil, varnish, rust and gypsum.

Cement-based substrates which are not sound enough must either be removed or, where possible, consolidated with **Eco Prim PU 1K**, **Primer MF EC Plus** or **Primer 3296**. Concrete or cement-based substrates with high residual moisture have to be treated with **Primer MF EC Plus**, **Eco Prim PU 1K** or other suitable primers from MAPEI range.

Dusty or highly-porous cementitious substrates must be treated by applying a coat of **Primer Eco** (diluted up to 1:3 with water), **Eco Prim T Plus** (diluted up to 1:4 with water) or **Primer G** (diluted 1:1 with water).

Repair not-stable cracks in the substrate with **Mapepoxy BI-IMP**. Anhydrite screeds may only be levelled-off and repaired with **Planipatch Xtra Zero** after applying a coat of **Eco Prim T Plus** (diluted up to 1:2 with water) or **Primer G** (undiluted) or other suitable primers from MAPEI range.

Thoroughly clean existing ceramic or stone tiles, resilient flooring, resin-based and metallic surfaces, with a suitable detergent and/or by abrading the surface with a suitable power tool.

Planipatch Xtra Zero mixed with **Latex Plus** (pure or diluted 1:1 with water) can be used for skimming or patching over particularly deformable substrates (such as metal and wood surfaces) resilient and wood flooring (as long as fully bonded to the substrates), old resin substrates and substrates with residues of bitumen and reactive-based adhesives.

Preparation of the mix

Pour a bag of **Planipatch Xtra Zero** into a container with approx. 4.2 - 4.35 litres (15 kg bag) / 1.40 - 1.45 litres (5 kg alu-pack) of clean water (28 - 29 %) while stirring, and continue stirring with a low-speed mixer until a smooth, homogeneous, lump-free paste is obtained.

The amount of **Planipatch Xtra Zero** mixed in each batch must be applied within 10 minutes (at a temperature of +23°C and 50 % RH).

Application of the mix

Apply the mix with a long-bladed metal smoothing trowel or spatula.

If necessary, several coats may be applied one after the other (wait approx. 40 to 50 minutes between each coat, according to the temperature).

When **Planipatch Xtra Zero** is used for skimming "feather-edge", as a patching compound or for local repairing, the surface is ready for the final smoothing with suitable self-levelling compounds or the application of all kinds of flooring after 45 - 60 minutes.

When **Planipatch Xtra Zero** is used for levelling and smoothing large areas in thickness from 3 to 10 mm, the surface is ready for installing any kind of coverings after 4 - 6 hours.



Filling a cable run with **Planipatch Xtra Zero**



Application of **Planipatch Xtra Zero + Latex Plus** on wooden substrate

CLEANING

Remove **Planipatch Xtra Zero** from tools and equipment with water whilst still fresh. Hardened material must be removed mechanically.

CONSUMPTION

The consumption of **Planipatch Xtra Zero** is 1.4 kg/m² per mm of thickness.

PACKAGING

Planipatch Xtra Zero is available in 15 kg bags and 5 kg alu-pack.

STORAGE

Planipatch Xtra Zero remains stable for 6 months for 15 kg bags and 24 months for 5 kg alu-pack, if stored in its original packaging in a cool dry place.

If stored for longer periods, **Planipatch Xtra Zero** may take longer to set without altering its final characteristics.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no

PRODUCT FOR PROFESSIONAL USE.

Keep out of the reach of children.

Keep children away from fresh adhesive or installation material.

Ensure good ventilation during and after use and drying.

Do not eat, drink or smoke when using this product.

In case of contact with skin or eyes, rinse immediately with plenty of water.

Do not allow product to reach sewage system, water course or soil.

Clean tools with soap and water immediately after use.

Give only empty containers to recycling.

Dried product residues may be disposed of as domestic waste if allowed by local regulations.

Product preservative-free.

For information for allergic people or the Technical Data Sheet, please call: +47 62 97 20 00.

The product contains:

Binders, Mineral fillers (VdI-RL 01/June 2018).

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	fine powder
Colour:	grey
Density:	1.150 kg/m ³
Dry solids content:	100 %
Grain size (D _{max}):	0.2 mm
EMICODE:	EC1 Plus - very low emission

APPLICATION DATA (at +23°C - 50 % R.H.)

Layer thickness per layer:	from 0 to 50 mm
Recommended water amount:	4.2 - 4.35 litres per 15 kg bag or 1.40 - 1.45 litres per 5 kg alu pack of Planipatch Xtra Zero (28 - 29 %)
Density of the mix:	1.900 kg/m ³
pH of the mix:	approx. 12
Application temperature range:	from +10°C to +30°C
Pot life:	approx. 10 minutes
Setting time:	approx. 20 minutes
Set to light foot traffic:	approx. 60 minutes
Waiting time before the final smoothing or the gluing of all kinds of floorings: - when used for skimming "feather-edge", as patching compound or for local repairing - when used for levelling and smoothing large areas in thickness from 3 to 10 mm	45 - 60 minutes 4 to 6 hours

FINAL PERFORMANCES

Performance characteristics	Test method	Requirements according to EN 13813 for cementitious screeds	Typical values	
Compressive strength:	EN 13892-2	5 < N/mm ² < 80 (after 28 days)	60 min.	8 N/mm ²
			4 - 6 hours	20 N/mm ²
			24 hours	25 N/mm ²
			3 days	30 N/mm ²
			7 days	34 N/mm ²
			28 days	39 N/mm ²
Flexural strength:	EN 13892-2	1 < N/mm ² < 50 (after 28 days)	4 - 6 hours	2.5 N/mm ²
			24 hours	3.0 N/mm ²
			3 days	6.0 N/mm ²
			7 days	7.0 N/mm ²
			28 days	8.0 N/mm ²
Brinell hardness:			4 - 6 hours	71 N/mm ²
			24 hours	94 N/mm ²
			3 days	95 N/mm ²
			7 days	97 N/mm ²
			28 days	98 N/mm ²
pH-value of hardened material:			approx. ≤ 9	

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above - information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the technical data sheet, available from our web site www.mapei.no

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 effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.no

ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.

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