PLANIPATCH XTRA

Fine-grained, ultra-fast drying, thixotropic cementitious patching compound for localised repairs





BENEFITS AND FEATURES

- Easily workable
- Excellent adhesion to substrates
- Suitable for skim coat down to a feather edge
- Up to 50 mm of thickness
- Excellent self-leveling and surface finish
- Dries in only 45-60 minutes

CO_2e FULLY OFFSET PRODUCTS

Residual Greenhouse Gas emissions measured throughout the life cycle of this product using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset for the year 2026 through the acquisition of carbon credits in support of forestry protection projects. For more details on emission calculations and offsetting projects, visit mapei.com

CLASSIFICATION ACCORDING TO EN 13813

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

WHERE TO USE

Planipatch Xtra can be used for localised repairs and skim coating, even down to a feather-edge, on interior floors, walls, steps, and corners, where rapid hardening, quick drying, and a particularly smooth finish are required.

Suitable for surfaces in residential, commercial and industrial areas.

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);
- rapid localised leveling or repair before final smoothing with suitable self-levelling compounds;
- patching and localised repairs of stairs, landings, and edges of columns.

Suitable on:

- concrete substrates, cement-based screeds, and screeds made using **Mapecem**, **Mapecem Pronto**, **Topcem,** or **Topcem Pronto**;
- anhydrite and magnesium-based screeds;
- heated floors;
- ceramic and terrazzo tiles;
- stone materials;
- concrete walls and cement plaster;
- old substrates with strongly bonded residues of waterproof adhesives or smoothing compounds.

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

Planipatch Xtra + **Latex Plus** can also be used as a primer and adhesion promoter prior to the application of self-levelling smoothing compounds onto difficult substrates.

TECHNICAL CHARACTERISTICS

Planipatch Xtra is a grey-coloured powder made of special cement binders, selected graded aggregates, and synthetic additives according to a formula developed in MAPEI Research & Development Laboratories.

When mixed with water, **Planipatch Xtra** forms a thixotropic mortar with good workability and high adhesion to the substrate.

Thanks to its very fine texture, **Planipatch Xtra** can be applied down to a feather-edge to obtain a smooth and closed surface.

The special binders allow quick shaping and smoothing of the patching compound, in order to obtain the required surface.

When used as a patching compound or **for localised repairs, Planipatch Xtra** can be used from “feather-edge” to 50 mm. Under normal conditions, the final smoothing with suitable self-levelling compounds and the installation of all types of coverings can be carried out after 45-60 minutes.

When used **for levelling and smoothing large areas**, the maximum allowed thickness is 10 mm. In this case, the surface is ready for installing any type of covering or for painting after 4-6 hours.

Planipatch Xtra hardens without shrinking or cracking and reaches high mechanical strength, as well as excellent resistance to impact and abrasion.

Substrates smoothed with **Planipatch Xtra** have a fine-textured finish, particularly suitable for resilient floor coverings.

Planipatch Xtra provides the lowest possible level of emission since it is certified EMICODE EC1 Plus (very low emission) by GEV and marked with the “Blauer Engel” according to DE-UZ 113.

RECOMMENDATIONS

- Do not mix the product with more than the recommended amount of water, and do not add water once it has started to set.
- Do not add lime, cement, or gypsum to the mix.
- Do not use on exterior surfaces.
- Do not use on substrates subject to continuous rising damp.
- Do not use at temperatures lower than +5°C.
- Protect the surface in hot and/or windy weather to prevent water from evaporating off too quickly.
- Do not leave **Planipatch Xtra** bags exposed to direct sunlight or near sources of heat before their use.
- If **Planipatch Xtra** is used for levelling and smoothing large areas where a wooden floor has to be installed, the minimum thickness must be 3 mm.
- Do not use as a final wear surface.

APPLICATION PROCEDURE

Preparation of the substrate

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

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

Dusty or highly-porous cementitious substrates must be treated with a coat of **Primer G** (diluted 1:1 with water) or **Eco Prim T Plus** (diluted up to 1:4 with water) or other suitable primers from MAPEI range.

Repair non-stable cracks in the substrate with **Eporip** or **Eporip SCR**.

Anhydrite screeds may only be levelled-off and repaired with **Planipatch Xtra** only after the application of a coat of **Primer G** (undiluted) or **Eco Prim T Plus** (diluted up to 1:2 with water) or other suitable primers from MAPEI range.

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

Planipatch Xtra mixed with **Latex Plus** (undiluted 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 23 kg bag of **Planipatch Xtra** into a container with ca. 6.5-6.7 litres of clean water while stirring, and continue mixing with a low-speed mixer until a smooth, homogeneous, lump-free paste is obtained.

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

Application of the mix

Apply the mix using a long-bladed metal smoothing trowel. If necessary, several coats may be applied consecutively (wait approximately 40 to 50 minutes between each coat, depending on the temperature).

When **Planipatch Xtra** is used for feather-edge skimming, as a patching compound, or for localised repairs, the surface will be ready for the final smoothing with suitable self-levelling compounds or the installation of all types of floor coverings after 45-60 minutes.

When **Planipatch Xtra** is used for levelling and smoothing large areas in thicknesses ranging from 3 to 10 mm, the surface will be ready for installing any type of covering after 4-6 hours.



*Filling a floor chase with **Planipatch Xtra***



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

CLEANING

Clean **Planipatch Xtra** from tools with water while still wet.

CONSUMPTION

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

PACKAGING

Planipatch Xtra is available in 23 and 5 kg bags.

STORAGE

Planipatch Xtra, if stored in a dry environment and in its original packaging, remains stable for 12 months for 23 kg bags and 24 months for 5 kg Alupacks.

If stored for longer periods, **Planipatch Xtra** may require a longer setting time, but this will not affect its final characteristics.

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.com.

PRODUCT FOR PROFESSIONAL USE.

Keep out of the reach of children.
Ensure good ventilation during 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, please call: +39 02 66101029.
Always wear safety glasses.
If adhesive or installation material gets into contact with your eyes rinse immediately with plenty of water and see an ophthalmologist.

Always wear heavy-duty waterproof gloves to protect your hands.
Always wear long trousers.
Avoid prolonged skin contact with the adhesive or installation material. Rinse affected areas immediately with plenty of water.
The longer fresh adhesive or installation material remains on your skin the greater the risk of severe skin damage.
Keep children away from fresh adhesive or installation material.

The product contains:
Binders, Mineral fillers (Vdl-RL 01/May 2019).

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	fine powder
Colour:	grey
Density:	1150 kg/m³
Dry solids content:	100%
EMICODE:	EC1 Plus - very low emission
BLAUER ENGEL:	DE-UZ 113

APPLICATION DATA (at +23°C - 50% R.H.)	
Mixing ratio:	28-29% parts water per 100 parts of **Planipatch Xtra**
Density of the mix:	1900 kg/m³
pH of the mix:	approx. 12
Application temperature range:	from +5°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 installation of all types of floor coverings:	
-when used for feather-edge-skimming, as patching compound or for localised repairs	45-60 minutes
-when used for levelling and smoothing large areas in thicknesses ranging from 3 to 10 mm	4 to 6 hours

FINAL PERFORMANCE	
Compressive strength:	
after 60 minutes:	8 N/mm²
after 4-6 hours:	20 N/mm²
after 1 day:	25 N/mm²
after 3 days:	30 N/mm²
after 7 days:	34 N/mm²
after 28 days:	39 N/mm²
Flexural strength:	
after 60 minutes:	1.5 N/mm²
after 4-6 hours:	2.5 N/mm²
after 1 day:	3 N/mm²
after 3 days:	6 N/mm²
after 7 days:	7 N/mm²
after 28 days:	8 N/mm²
Brinell hardness:	
after 4-6 hours:	71 N/mm²
after 1 day:	94 N/mm²
after 3 days:	95 N/mm²
after 7 days:	97 N/mm²
after 28 days:	98 N/mm²

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 website www.mapei.com

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.com.

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

Mapei S.p.A.

Via Cafiero, 22, 20158, Milano

+39-02-376731 www.mapei.com mapei@mapei.it

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