

Planipatch Fast Track

**Fine-grained,
ultra-quick drying,
thixotropic cementitious
smoothing compound**



www.blauer-engel.de/uz113



CLASSIFICATION ACCORDING TO EN 13813

Planipatch Fast Track, used as smoothing compound as described in this Technical Data Sheet, is classified as CT-C35-F7-E according to European Norm EN 13813.

WHERE TO USE

Planipatch Fast Track can be used for the local repairing and skim coating, even down to a "feather-edge", of interior floors, walls, steps and corners where quick hardening and drying, together with a particular smooth final surface, are required. Suitable for surfaces in residential, commercial and industrial areas.

Some application examples

Suitable for:

- skim coating unfinished, rough-textured substrates, down to a "feather-edge";
- filling voids, holes and cracks (provided they are stable);
- fast edging or local repairing before final smoothing with suitable self-levelling compounds;
- patching and local repairing of staircases, landings and edges of columns.

Suitable on:

- concrete floor slabs, cement-based screeds and screeds made from **Mapecem**, **Mapecem Pronto**, **Topcem** or **Topcem Pronto**;

- anhydrite and magnesium-based screeds;
- heated floors;
- ceramic and terrazzo tiles;
- natural stone floors;
- concrete walls and cement renders;
- old substrates with strongly bonded residues of waterproof adhesives or smoothing compounds.

When mixed with **Latex Plus**, **Planipatch Fast Track** 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 Fast Track + Latex Plus can also be used as a primer and bonding agent before the application of levelling compounds onto impervious substrates.

TECHNICAL CHARACTERISTICS

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

When mixed with water, **Planipatch Fast Track** forms a thixotropic mortar with good workability and high bonding strength with the substrate. Thanks

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Filling a cable run with Planipatch Fast Track

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 after a short time for realizing the required surface.

When used as a patching compound or for local repairing, **Planipatch Fast Track** can be used from “feather-edge” to high thickness. In this case, for thickness higher than 25 mm, adding 30% in weight of 0.1-0.5 mm quartz sand is recommended. 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 5 mm. In this case, the surface is ready for installing any kind of coverings after min. 4 hours.

Planipatch Fast Track hardens without shrinking or cracking and reaches a very high level of mechanical strength and resistance to impact and abrasion.

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

Planipatch Fast Track provides the lowest possible level of emissions, since it's certified EMICODE EC1 Plus (very low emission) from 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 external surfaces.
- Do not use on substrates subject to continuous rising damp.
- Do not use at temperatures lower than +5°C.
- Protect surface in hot and/or windy weather to prevent the water evaporating off too quickly.
- Do not leave bags of **Planipatch Fast Track** exposed to direct sunlight or near sources of heat prior to it being used.
- In case of **Planipatch Fast Track** is used as a levelling compound on large areas, the minimum thickness has to be at least 3 mm when bonding parquet.
- Do not use as a final wear surface.

APPLICATION PROCEDURE

Substrate preparation

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

Cement-based substrates which are not solid enough must either be removed or, where possible, consolidated with **Profas**, **Primer MF**, **Eco Prim PU 1K**, etc.

Concrete or cement-based substrates with high residual moisture have to be treated with **Primer MF**, **Eco Prim PU 1K** or other suitable primer from MAPEI range.

Dusty or highly-porous cementitious substrates must be treated by applying a coat of **Primer G** or **Eco Prim T** diluted with water at a ratio from 1:1 to 1:3 or other suitable primer from MAPEI range.

Repair not-stable cracks in the substrate with **Eporip** or **Eporip Turbo**.

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

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

Mix **Planipatch Fast Track** with **Latex Plus** pure or diluted 1:1 with water for skimming or patching over particularly deformable substrates, such as metal and wood surfaces fully adhered resilient and wood flooring, old resin substrates and substrates with residues of bitumen and reactive based adhesives.

Preparation of the mix

Pour a 23 kg bag of **Planipatch Fast Track** into a container with ca. 6.9-7.1 litres of clean water while stirring, and continue stirring with a low-speed mixer until a smooth, homogeneous, lump-free paste is obtained.

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

Application of the mix

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

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

When **Planipatch Fast Track** 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 gluing of all kinds of floorings after 45-60 minutes.

When **Planipatch Fast Track** 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 min. 4 hours.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	fine powder
Colour:	grey
Density (kg/m³):	1,150
Dry solids content (%):	100
EMICODE: BLAUE ENGEL:	EC1 Plus - very low emission DE-UZ 113 For further information, please refer to the Safety Data Sheet

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

Mixing ratio:	30-31 parts water per 100 parts of Planipatch Fast Track
Density of the mix (kg/m³):	1,900
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 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 PERFORMANCE

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

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Cleaning

Clean **Planipatch Fast Track** from hands or tools with water while still wet.

CONSUMPTION

The consumption of **Planipatch Fast Track** is 1.5 kg/m² per mm of thickness.

PACKAGING

Planipatch Fast Track is available in 23 and 5 kg bags.

STORAGE

Planipatch Fast Track remains stable for at least 12 months if stored in a dry place. If stored for longer periods, **Planipatch Fast Track** may take longer to set without altering its final characteristics. This product conforms to the prescriptions of Reg. (EC) N. 1907/2006 (REACH) - Annex XVII, item 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Planipatch Fast Track contains cement which in contact with sweat or other body fluids may cause an irritant alkaline reaction and allergic reactions to those predisposed. It can cause damage to eyes. During use, wear protective gloves and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.

For further and complete information about the safe use of our product please refer to our latest version of the Safety Data Sheet.

Keep out of the reach of children. 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. Product preservative-free. For information for allergic people or the Technical Data Sheet, please call: +39/02/37673.1.

Always wear safety glasses. If product 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 product remains on your skin the greater the risk of severe skin damage.

The product contains:

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

PRODUCT FOR PROFESSIONAL USE.

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



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

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



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