



TECHNICAL DATA SHEET

NOV 2025 Ver 01 - PALFT 25.11.25



SINGLE PART FAST-TRACK

RAPID HARDENING
FLOOR LEVELLING COMPOUND

- Ultra-fast drying - walkable after 30 mins
- Level from 2-25mm in a single pour
- Tiling > 45 mins
- Decorative or vinyl floors > 90 mins
- Suitable for use with underfloor heating

DESCRIPTION

PALACE FAST-TRACK floor leveller is a single-part, ultra-rapid drying & super-smooth floor underlayment with outstanding high early strength. Free from Portland cement, it flows across all surface types, including WBP plywood and floors fitted with sub-surface heating elements and can be finished off to a super-smooth surface finish, that is ideal for use in circumstances where access soon after laying is essential. It sets after 30 minutes and will be ready to receive tile fixing after 45 minutes. Impervious "soft" floor coverings such as vinyl, laminates & linoleum can be laid on this surface as soon as 90 minutes.

TECHNICAL DATA

UNIT SIZE	20kg
COLOUR	Beige
FOOT TRAFFIC	30 mins*
READY FOR TILING	45 mins for a 3mm layer*
WORKING TIME	10 - 15 mins*
INITIAL SET TIME	20 mins @ 20°C*
APPLICATION TEMPERATURES	5 - 25°C
BED DEPTH THICKNESS	Up to 25mm
CLASSIFICATION	CT C30/F7

* Dependent on temperature, substrate and site conditions



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SURFACE PREPARATION

The receiving floor surface must be hard, sound and free from grease, dust, floor polish, laitance and loose deleterious material such as worn surface coatings & plaster. Any adhesive & coatings residue must first be tested to determine if they are "moisture sensitive" and then removed if necessary. Prior to laying **PALACE FAST-TRACK** floor leveller, the base concrete or sand/cement screed should be tested to confirm that it has had sufficient time to dry out to reach a consistent moisture reading of <75% R.H. (<3.0% residual moisture content) - tested as per BS 8203:2017 - Annex B. Where it is not known whether an effective structural DPM is in place, or where the moisture test results show values in excess of 75% R.H. (or >3.0% residual moisture content), then a liquid damp-proof membrane such as moisture suppressant **PALACE 1-COAT DPM** should be applied onto the prepared concrete sub-base, before it is over-laid with **PALACE FAST-TRACK** floor leveller. Although **PALACE FAST-TRACK** floor leveller will bond to most solid sub-floors, the application of a primer on highly porous surfaces will assist with maximising flow time & adhesion strength. **PALACE MULTI-PRIME** diluted 1:3 with water can be used for this purpose. Highly porous substrates may need a pre-coat of primer to the same dilution (allow to completely dry) and then a second coat diluted 1:1 with water before applying the levelling underlayment. Where Anhydrite Screed (Calcium Sulphate) based floors are being over-laid, the application of two coats of **PALACE MULTI-PRIME** (see Technical Data Sheet of **PALACE MULTI-PRIME** for more information) will be necessary to form a barrier & avoid any adverse interaction between the cement-based **PALACE FAST-TRACK** and the gypsum-based anhydrite screed beneath it.

MIXING & APPLICATION

PALACE FAST-TRACK floor leveller should be mechanically mixed when added to approximately 4.0 to 4.2 litres of clean water per 20kg to form a smooth, flowable & pourable levelling compound, which should be applied to the intended area without delay. Pour the freshly mixed levelling compound onto the prepared surface and use a straight edged steel trowel / float to ensure the compound is evenly spread into all areas and corners. The use of a spiked roller will assist in removing air bubbles and achieving a smooth finished in the limited time available. **PALACE FAST-TRACK** floor leveller will smooth trowel marks for about 10 to 15 minutes before it loses its flow properties and begins to firm up. Clean all tools immediately after use with water.

COVERAGE

When laying on a level, even floor surface **PALACE FAST-TRACK** floor leveller will cover at a rate of 1.6kg / mm / per sq.mtr, such that a 20kg bag will cover 4.2 square metres of floor space at a level depth of 3mm. Setting & hardening times will vary depending on temperature and ventilation, which will be shortened at high temperatures and extended at low temperatures. Coverage rates are for guidance and are based on a smooth non-absorbent substrate, since surface porosity, texture and preparation efficiency can all affect the consumption of product.

PALACE FAST-TRACK is not a moisture tolerant formulation, therefore it is not suitable for the pre-smoothing of sub-floors with a moisture content >75% RH or prior to the application of a surface damp proof membrane (DPM). It is also not suitable for applications where an effective damp proof course (DPC) cannot be confirmed as being present within the structure of the sub-floor.

PRECAUTIONS

PALACE FAST-TRACK is a very fast setting product, with a limited working time of 15 minutes. Therefore it is important that all levelling applications are pre-planned to ensure the area is completed within the available open time to avoid any uneven joints between mixes. Application to the pre-set floor area should begin immediately after mixing, then spike roll only when the product is freshly laid in its free flowing phase (due to the limited working time & rapid setting nature).

Note: This already short working time can be further reduced by high temperatures, therefore consideration should be given to the working environment prior to beginning any project. Do not use this product when air & surface temperatures fall below 5°C or greater than 35°C at any time during the first 24 hours after application.

STORAGE

Keep the product sealed until use in dry, well ventilated conditions at an ambient temperature and away from all sources of damp. When kept in its original sealed state in a permanently dry environment, this product will retain a shelf life of up to 12 months from date of manufacture. Should further technical information be required, contact the Palace Technical helpline on 0151 486 6101.

SPECIFICATION

PALACE FAST-TRACK floor leveller offers the flooring professional the ideal solution for overcoming time limited projects, where a fast-track approach is essential to achieving the perfect finished result. This product is approved for use over a wide range of surface types including concrete, sand / cement screeds, anhydrite screeds, damp proof membranes, flooring grade plywood, vinyl tiles and underfloor heating systems, providing the correct preparation is observed prior to its use.

SPECIFIC SUBSTRATE PREPARATION

PALACE FAST-TRACK floor leveller offers the flooring professional the ideal solution for overcoming time limited projects, where a fast-track approach is essential to achieving the perfect finished result. This product is approved for use over a wide range of surface types including concrete, sand / cement screeds, anhydrite screeds, damp proof membranes, flooring grade plywood, vinyl tiles and underfloor heating systems, providing the correct preparation is observed prior to its use. (Consult **PALACE TILERS MULTI-PRIME** tech data sheet).

See page 3 for a range of substrate specifications...

EN ISO 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

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*ANHYDRITE [CALCIUM SULPHATE] BASED SCREEDS

Mechanically remove any loose material / laitance to give a clean, dry, solid dust-free surface prior to the application of **PALACE MULTI-PRIME** (first coat diluted 1:1 then 2nd coat neat) to ensure a protective barrier is established. Drying times of this class of screed can be at a rate of 1mm screed depth per day (2mm per day is > 40mm deep). Anhydrite screeds which already incorporate pre-installed underfloor heating systems can be used with this heat source to reduce drying times, along with de-humidifiers operating in the room, which will also speed up the drying process. The relative humidity (%RH) test result in the subfloor should be less than 75% RH, (residual moisture content < 0.5%) however where this cannot be achieved within a manageable period of time the application of a Damp Proof Membrane (**1-COAT DPM**) is recommended to be applied after the **MULTI-PRIME** barrier preparation step (above) has already been completed.

FLOORING GRADE ASPHALT

New asphalt must be left for a minimum of 7 days and degreased to remove surface bloom. If cracks are visible repair will be necessary to give a strong subfloor. Check the floor is in good condition and that there are no signs of de-bonding and/or hollowness. Recently asphalted floors that are smooth & impermeable will benefit from a slurry coat of **PALACE MULTI-PRIME** mixed 1:1 with neat cement and blinded with sand to improve the bond & key.

SAND/CEMENT SCREEDS

Recently installed sand/cement screeds must be allowed a minimum of 4 weeks to dry sufficiently. Ensure new sand/cement screed is confirmed dry via consistent moisture measurements across the whole surface. Sand/cement screeds must have a moisture reading of less than 75% relative humidity (RH) before any levelling compound can be applied over it. Remove any laitance from the surface mechanically and ensure that any other contaminants are cleared from the surface, ideally by a vacuum cleaner. On porous or worn screeds, prime the surface with **PALACE MULTI-PRIME** diluted 1:3 with water and then allow to dry.

NEW CONCRETE

Floor slabs must be allowed at least 6 weeks drying time equivalent to 1 day per mm up to an overall depth of 50mm and 2 days per mm for anything above 50mm. Ensure new concrete is tested via consistent moisture readings across the whole surface whereby a reading of less than 75% relative humidity (RH) is advised before work can commence. Remove any laitance from the surface mechanically and ensure that oil, grease curing agents and any other friable materials are removed ideally by vacuum. If the surface is relatively porous prime the surface with **PALACE MULTI-PRIME** diluted as 1:3 parts water and allow to dry.

DENSE OR POWER FLOATED CONCRETE

Ensure the surface has been allowed 7 days to cure. Ensure new concrete is confirmed dry via consistent moisture readings across the whole surface. Concrete screeds must have a reading of less than 75% relative humidity (RH) is advised before proceeding to over-lay. Remove any laitance or friable top finish from the surface mechanically whilst scoring & etching the surface before taking up all remaining dust residues by vacuum.

PLYWOOD OVERLAY (INTERNAL ONLY)

Check that plywood overlay is flooring grade compliant to EN 314:2 Class 3 Exterior before applying **PALACE FAST-TRACK** and ensure that new or existing boards are pre-conditioned to the environment in which they will be used. Plywood sheets must be a thickness of 15mm minimum & screwed to a secure, stable substrate at 150mm centres. Ensure there is sufficient ventilation beneath substrate and that the plywood has been fitted competently and will take the weight of the leveller, adhesive and the final anticipated in-use loading without any risk or sign of deflection. It should be dry and free of any contaminants, loose dust or dirt. Existing plywood showing signs of wear or abrasion will require priming with **PALACE MULTI-PRIME** diluted 1:3 with water. New, uncontaminated plywood does not require priming prior to over-laying with **PALACE FAST-TRACK**.

COATED WITH A SURFACE DAMP PROOF MEMBRANE

Damp-Proof Membrane coatings such as **PALACE 1-COAT DPM** should be treated as non-absorbent substrates and applications of **PALACE FAST-TRACK** should be completed within 12 hours of the DPM being first applied (Consult **PALACE 1-COAT DPM** technical data sheet). Sand blinding the freshly applied DPM will assist with improving the bond to over-laid screeds.

UNDERFLOOR HEATING SYSTEMS

Heating wires must be securely fixed to a sound consistent substrate such as cement backer board. **PALACE FAST-TRACK** should then be applied at a thickness which allows for a clearance above the elements of no less than 5mm depth of levelling compound to ensure a smooth even finish will be attained prior to laying the finished decorative or resilient surface. Always allow at least three weeks before the heating system is switched on at the lowest setting and then brought up to operating temperature at a rate of 5°C over the following week.

Note: When applying this product over any other floor type not specified above, please consult the Palace Technical department on 0151 336 9104 for advice specific to the floor surface, board type or UFH system the product is intended to be applied over. It is not advised to apply floor leveller over any "non-standard" flooring substrate or UFH system without checking its compatibility in advance.

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HEALTH & SAFETY



Causes Serious Eye Irritation.

Wash thoroughly after handling. Wear protective gloves / protective clothing / respiratory protection / eye protection / protective footwear. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Dispose of contents in accordance with local regulations.

Always ensure that appropriate PPE & overalls are worn when applying this product. Wash hands after use and launder stained clothing. A complete PALACE material safety data sheet is available on request or online at www.palacechemicals.co.uk

TECHNICAL ADVICE

For advice on tile installation products call the Palace Chemicals Technical Helpline on 0151 336 9104.

TECHNICAL DATA

COMPRESSIVE STRENGTHS (N/mm ² - To BS EN 13892-2)	1 day > 12.0 7 days > 28.0 28 days > 35.0
FLEXURAL STRENGTHS (N/mm ² - To BS EN 13892-2)	1 day > 2.0 7 days > 5.0 28 days > 7.0
COVERAGE 20kg of FAST-TRACK powder, mixed with 4 litres of water	5.0m ² at 3mm depth 2.5m ² at 6mm depth 1.0m ² at 10mm depth

QUALITY & ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint.

DISCLAIMER

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or control over where and how our products are stored and used. All products are sold and guaranteed subject to our terms and conditions of sale, copies of which may be obtained on request.

APPROVED RECEIVING SURFACES

Sand / cement screed
Tile backer boards
Existing ceramic & stone tiles
Existing vinyl tiles
Concrete slabs
Plywood overlay
Under-floor heating
Flooring grade asphalt
Epoxy DPM
Moisture stable adhesives

Anhydrite screeds
Must be correctly prepared

CLASSIFICATION

UK CA	C €	UK NI
1289 - 21		
Palace Chemicals Ltd, Speke Hall Industrial Estate, Speke, Liverpool L24 1YA		
DoP - 68-44		
EN 13813 : 2002 - CT C30:F7 Cementitious screed material not intended as a wearing surface, for use internally in buildings		
Release of corrosive substances - CT		See MSDS
Compressive strength		C30
Flexural strength		F7
Abrasion resistance		NPD
Reaction to fire		NPD

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