



## TECHNICAL DATA SHEET

NOV 2025 Ver 01 - PALELSS 25.11.25



### STANDARD SETTING EXTRA-LITE

FLEXIBLE - FIBRE REINFORCED LIGHTWEIGHT  
WALL & FLOOR TILE ADHESIVE

- Suitable for ceramic, marble, stone, porcelain & large format tiles
- Contains 40% recycled raw materials
- Walk on & ready to grout in 16 - 24 hours
- High yield - 50% extra coverage
- Easy to apply and mix

#### DESCRIPTION

**PALACE EXTRA-LITE STANDARD SET** is a standard setting, ultra-lightweight, thin & thick-bed flexible tile adhesive, available in white. It incorporates up to 40% recycled materials, which when mixed with water gives a high-yield, easy to apply wall & floor tile adhesive with 50% reduced weight loading. Suitable for fixing all types of tiling, including large format tiles & stone. **PALACE EXTRA-LITE STANDARD SET** provides a working pot life of up to 4 hours, allowing for light foot traffic & grouting between 16 - 24 hours after application. **PALACE EXTRA-LITE STANDARD SET** provides the user with optimum handling, instant grab & non-slip when setting out large format tiling installations. **PALACE EXTRA-LITE STANDARD SET** meets the performance requirements of EN12004 C2TE-S1 and its lightweight, flexibility & deformability is perfect for areas where slight movement or vibration is anticipated including over surfaces where sub-floor heating is installed.

Conforms to BS EN 12004 Type C2TE-S1

#### TECHNICAL DATA

UNIT SIZE	10kg
COLOUR	White
MAX BED DEPTH	Up to 20mm
TIME UNTIL READY TO GROUT	24 hours*
WORKING POT LIFE	4 hours*
INITIAL SET TIME	16 - 24 hours @ 20°C*
APPLICATION TEMPERATURES	5 - 25°C
CLASSIFICATION	C2TE-S1

\* Dependent on temperature, substrate and site conditions



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## SURFACE PREPARATION

The substrate must be clean, firm and free of dust, dirt, oil, grease and loose flake coatings. New or fresh concrete surfaces must be allowed at least 4 weeks to dry and cure, whereas older porous or worn concrete should be primed with **PALACE MULTI-PRIME** diluted 1:3 parts with water. It must also be structurally sound and strong enough to support the expected "in-service" loading. **PALACE EXTRA-LITE STANDARD SET** can be applied to 15-18mm waterproof ply-board overlaid with tile backer boards, screw-fixed at 300mm centres & rigidly braced to provide a dimensionally stable background as described in the Code of Practice - BS 5385 parts 1 to 4.

Depending on the substrates, applications over sub-floor heating should allow 28 days before switching the heat on & only gradually raising the temperature day by day for the first week. **PALACE EXTRA-LITE STANDARD SET** is not recommended for application directly onto tongue and groove timber floorboards or floating floors. Do not apply onto bare, un-sealed gypsum plaster or anhydrite floor screeds before removing dust & laitance and then sealing this type of surface with two coats of **PALACE MULTI-PRIME** the first diluted 1:1 with water and the second applied neat.

## MIXING & APPLICATION

Always adding the powder to water, mechanically mix approximately 4.4 to 4.8 litres of clean water per 10kg to a smooth, lump-free consistency. Spread the adhesive using a suitable notched trowel for the application, fixing tiles firmly with a twist and slide action to a maximum bed depth of no more than 15mm. Fix full tiles, working away from the centre of the room and use tile spacers to ensure consistent joint width whilst periodically checking the laid tiles with a spirit level and wiping away any excess with a damp cloth. Do not comb more adhesive than can be tiled over within 1 hour and if the adhesive skins over, scrape up and re-apply fresh adhesive. Never add extra water to freshen up a mix. The working pot life of the mixed adhesive will be up to 4 hours at ambient room temperature and the open time of the notched adhesive bed will be up to 30 minutes at 20°C. The adhesive will reach initial set after 16 hours (depending on ambient temperatures) and can take light foot traffic for grout application to proceed after 16-24 hours.

## COVERAGE

When fixing on a level, even floor surface using a 10mm notched trowel, **PALACE EXTRA-LITE STANDARD SET** will cover at a rate of about 2.0kg per sq. mtr for heavy-duty, studded tiles. When applying wall tiles, the product will cover at about 1.3 kg per sq. mtr using a 6mm notched trowel.

## PRECAUTIONS

All tile fixing should be carried out in accordance with BS 5385 Parts 1 to 4 – The Code of practice for the installation of Ceramic & Stone wall & floor tiles. Do not allow adhesive residue to set & harden on the tile face. Do not mix or apply this adhesive when air or ground temperatures are

forecast to be below 5°C or greater than 35°C at any time during the first 24 hours after application

## CUTTING & SHAPING TILES

Mark the front of the tile with a pencil and score the glazed face with a tile scribe or combination cutter, which can then be used to snap the tile. The cutting of large format wall or floor tiles should be carried out using a professional platform type mechanical cutter, preferably with a diamond tipped wet wheel cutting disc, especially when shaping natural stone. Shaping tiles to fit around curved units can be made easier by making a cardboard template of the area, or by using a profile gauge before cutting to the outline with either a tile-saw or a diamond tipped wheel cutter.

## GROUTING

Grouting may proceed as soon as the tile bed is sufficiently firm, which for **PALACE EXTRA-LITE STANDARD SET** will be after 24 hours at room temperature. This period however will be extended in cold conditions. When the adhesive is fully set, wall & floor joints can be grouted using **PALACE COLOUR-LOCK GROUT** or **PALACE ANTI-MOULD GROUT**, however on wider flooring applications, joints of up to 20mm wide can be grouted using **PALACE WIDE-JOINT FLEXI FLOOR TILE GROUT**.

## 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.

## WALL TILES SUBSTRATE LOAD LIMITS

Wall substrates should be strong enough to support the weight of the ceramic tile or natural stone to be installed & weight of the associated adhesive bed. Maximum weight restrictions for wall substrates:

Gypsum plaster	20kg/m <sup>2</sup>
Gypsum plasterboard (12.5mm)	32kg/m <sup>2</sup>
Cement / sand rendering & concrete	No limit
Lightweight foam-cored tile backer boards	60kg/m <sup>2</sup>
Glass reinforced cement-based boards	50kg/m <sup>2</sup>
Gypsum fibreboards	40kg/m <sup>2</sup>
Other rigid tile backer boards	Consult manufacturer



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## HEALTH & SAFETY



**DANGER** Contains Portland Cement

**Causes Serious Eye Damage. Causes Skin Irritation.**

**May Cause Respiratory Irritation.**

Keep out of reach of children. Avoid breathing dust. Wear protective gloves/protective clothing/eye protection or face protection (mask). Use only outdoors or in a well ventilated area. IF IN EYES: rinse cautiously with water for several minutes, remove contact lenses, continue rinsing and immediately call for medical assistance. IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs seek medical attention. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, call for medical assistance.

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](http://www.palacechemicals.co.uk)

## TECHNICAL ADVICE

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

## APPROVED RECEIVING SURFACES

Concrete  
Sand / cement screed  
Tile backer boards  
Cement faced fibre boards  
Anhydrite / gypsum based screeds  
Plasterboard  
Sand / cement render  
Concrete brick / block

**Firm & stable plaster**  
Seal with Multi-Prime

## 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.

## CLASSIFICATION

UK CA	C E	UK NI
1289 - 21		
Palace Chemicals Ltd, Speke Hall Industrial Estate, Speke, Liverpool L24 1YA		
DoP - 55-37		
<b>EN 12004 : 2007 + A1 2012 - C2TE-S1</b> Improved deformable standard setting cementitious adhesive with reduced slip and extended open time for internal & external tiling		
Release of dangerous substrates		See MSDS
<b>Bond strength:</b>		
- Initial tensile strength		≥ 1.0 N/mm <sup>2</sup>
<b>Durability for:</b>		
- Tensile adhesion strength after 30 minutes open time		≥ 0.5 N/mm <sup>2</sup>
- Tensile adhesion strength after heat ageing		≥ 1.0 N/mm <sup>2</sup>
- Tensile adhesion strength after freeze thaw cycles		≥ 1.0 N/mm <sup>2</sup>
- Tensile strength after water immersion		≥ 1.0 N/mm <sup>2</sup>
<b>Special Characteristics:</b>		
- Reduced slip		≤ 0.5mm
- Deformation		≥ 2.5mm
Reaction to fire		Class E

## 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.



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