



TECHNICAL DATA SHEET



Ver 02 - PALELSS 02.06.21

EXTRA-LITE

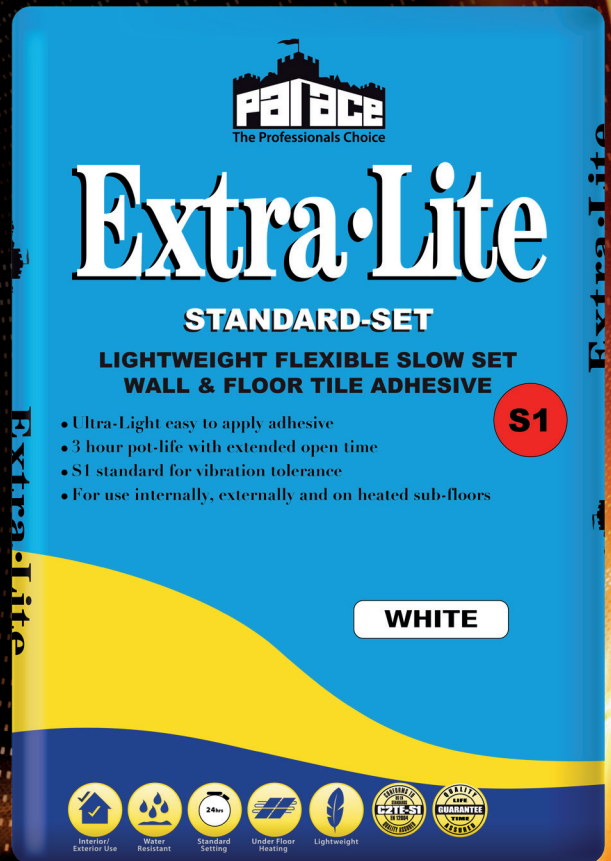
LIGHTWEIGHT FLEXIBLE WALL & FLOOR TILE ADHESIVE

- STANDARD SETTING ULTRA-LIGHTWEIGHT ADHESIVE AVAILABLE IN GREY & WHITE
- POLYMER FORTIFIED TO GIVE VIBRATION & SLIGHT MOVEMENT TOLERANCE
- FOR USE INTERNALLY, EXTERNALLY AND ON HEATED SUB-FLOORS
- UP TO 15MM THICK-BED WITH 50% REDUCED WEIGHT PER SQUARE METRE COVERED
- REDUCED ENVIRONMENTAL IMPACT, CONTAINS MORE THAN 33% RECYCLED MATERIAL

TECHNICAL SUMMARY

UNIT SIZES	10kg
COLOURS	Grey & White
MEAN BED DEPTH	Up to 15mm
TIME TILL READY TO GROUT	24 hours*
WORKING POT LIFE	4 hours*
INITIAL SET TIME	12-16 hours*
APPLICATION TEMPERATURES	5 - 35°C

* Dependent on temperature of substrate and site conditions



PALACE EXTRA-LITE STANDARD SET

Is an ultra-lightweight, thin & thick-bed, flexible floor and wall tile adhesive available in White & Grey. It incorporates recycled low density blown glass to give a high-yield, easy to apply adhesive mortar with 50% reduced weight loading, suitable for fixing all types of tiling, including large format tile & stone.

CONFORMS TO C2TE-S1

LIGHTWEIGHT FORMULA



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 - FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK

EXTRA-LITE

Lightweight Flexible Wall & Floor Tile Adhesive



DESCRIPTION

PALACE EXTRA-LITE STANDARD SET will fix ceramic, porcelain, vitrified, mosaics, glass and natural stone tiles with excellent ease of handling, instant grab & non-slip, making it ideal for setting out large format tile & cladding installations. **PALACE EXTRA-LITE STANDARD SET** meets the performance requirements of EN12004 C2TE-S1 and its lightweight, polymer fortified flexibility is perfect for areas where slight movement or vibration is anticipated, including over surfaces where sub-floor heating is to be installed.

SURFACE PREPARATION

The substrate must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. It must also be structurally sound and strong enough to support the expected traffic loading. **PALACE EXTRA-LITE STANDARD SET** can be applied to dry or damp surfaces however moisture sensitive materials must be dry and remain dry after fixing. Worn or porous surfaces should be sealed with **PALACE TILERS PRIMER** diluted as 1 to 3 with water. **PALACE EXTRA-LITE STANDARD SET** can be applied to Tile Backer boards over-laid onto a suitably rigid structure, such as well-braced 15mm waterproof plywood screw fixed at 300mm centres to supporting battens. **PALACE EXTRA-LITE STANDARD SET** is not recommended for application directly onto surfaces where movement is possible or over heated sub-floors. Do not apply onto bare, un-sealed gypsum plaster or anhydrite floor screed before first priming this type surface with two coats of neat **PALACE TILERS PRIMER** the first diluted 1 to 1 and the second neat.

MIX PREPARATION

PALACE EXTRA-LITE STANDARD SET should be added to water in a clean container whilst mechanically stirring and mixed thoroughly to give a soft, slump-free, light easy to handle mortar. The recommended mixing proportions by volume are 1-part water to 2 parts powder (**Approximately 4 litres per 10kg sack**). Mix consistency can be adjusted with slight additions of water or powder at the initial mixing stage to suit wall or floor fixing, however part-used adhesive should never be "freshened up" with later water additions but should always be discarded once it appears to lose its workability. In ideal conditions (20°C room temperature), **PALACE EXTRA-LITE STANDARD SET** will remain workable for up to 4 hours at 20°C and then reach final set within 24 hours.

APPLICATION METHOD

For fixing ceramic tiles or mosaics, use a notched trowel to give a ribbed mortar bed on the substrate, into which the tiles are firmly bedded with a twist and slide action to ensure full contact. Use a 3mm x 3mm notch at 6mm centres for mosaics and thin flat backed wall tiling, a 5mm x 5mm notch at 10mm centres for general wall tiling and 10mm x 10mm notch at 16mm centres for floor tiling. It is recommended that tiles with raised or studded back profiles, (or in situations where dampness is likely after tiling), should be back-buttered to ensure 100% solid bed fixing. Do not trowel out an area of adhesive greater than can be tiled over within a 30-minute period. Surfaces, such as tamp-rutted concrete and masonry block-work, that are rough or uneven should be prepared with **PALACE SELF-LEVEL** floor smoothing & levelling compound and when sufficiently firm (24 - 48 hours later), followed by an application of **PALACE EXTRA-LITE STANDARD SET** adhesive. Do not apply any cement-based adhesive onto bare, unsealed gypsum plaster or anhydrite screeds and do not allow adhesive residues 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.

COVERAGE

When fixing on a level, even 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.

GROUTING

Grouting may proceed as soon as the tile bed is sufficiently firm, which for **PALACE EXTRA-LITE STANDARD SET** will be the following day. 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 AND PACKAGING

PALACE EXTRA-LITE STANDARD SET is supplied in 10kg multi-ply, moisture resistant paper sacks and has a storage life of not less than 12 months if stored in dry, un-opened conditions.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 - FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK

EXTRA-LITE

Lightweight Flexible Wall & Floor Tile Adhesive



HEALTH AND SAFETY

Always ensure that appropriate PPE is worn when mixing & applying this product to ensure protection from airborne dust and skin contact with the mixed liquid product. Wash hands after use and launder stained clothing. Do not consume food when working with this material and keep children & animals away from any possible risk of contact. A complete PALACE material safety data sheet is available on request or online at www.palacechemicals.co.uk

QUALITY AND 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 by developing products such as this which have a lower environmental impact.

TECHNICAL ADVISORY SERVICE

Should more specific technical information be required, contact the Palace Technical helpline on: **0151 486 6101**.

For a Technical Specification and quantity requirements, visit our 'TilingSpecifier' on the Palace website at:

<http://www.palacechemicals.co.uk>

TECHNICAL SUMMARY	
UNIT SIZES	10kg
COLOURS	Grey & White
MEAN BED DEPTH	Up to 15mm
TIME TILL READY TO GROUT	24 hours*
WORKING POT LIFE	4 hours*
INITIAL SET TIME	12-16 hours*
APPLICATION TEMPERATURES	5 – 35°C

* Dependent on temperature of substrate and site conditions

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 and the weight of the associated adhesive bed. The maximum weight restrictions for wall substrates are given below...

DESCRIPTION	KG/M ²
GYPSUM PLASTER (SEALED WITH TILERS PRIMER)	20.0
GYPSUM PLASTERBOARD (12.5 mm)	32.0
CEMENT / SAND RENDERING & CONCRETE	No Limit
LIGHTWEIGHT FOAM-CORED TILE BACKER BOARDS	60.0
GLASS REINFORCED CEMENT-BASED BOARDS	50.0
GYPSUM FIBREBOARDS	40.0
OTHER RIGID TILE BACKER BOARDS	#

Consult the manufacturer

APPROVED RECEIVING SURFACES
✓ Concrete
✓ Sand/cement screed
✓ Tile backer boards
✓ Cement faced fibre boards
✓ Anhydrite /gypsum-based screeds
✓ Firm and stable plaster (sealed)**
✓ Plasterboard
✓ Sand/cement render
✓ Concrete brick/block

• Must be securely fixed

** Sealed with TILERS PRIMER



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 – FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK

EXTRA-LITE

Lightweight Flexible Wall & Floor Tile Adhesive



PALACE CHEMICALS LTD
SPEKE HALL INDUSTRIAL ESTATE
SPEKE LIVERPOOL L24 1YA

EN 12004 - C2TE-S1

Improved deformable standard setting cementitious adhesive
with reduced slip & extended open time

INITIAL TENSILE ADHESION STRENGTH AT 30 MINS OPEN TIME	> 0.5 N/mm ²
INITIAL TENSILE ADHESION STRENGTH	> 1.0 N/mm ²
TENSILE ADHESION STRENGTH AFTER HEAT AGEING	> 1.0 N/mm ²
TENSILE ADHESION STRENGTH AFTER FREEZE THAW CYCLES	> 1.0 N/mm ²
TENSILE ADHESION STRENGTH AFTER WATER IMMERSION	> 1.0 N/mm ²
DEFORMATION	< 2.5 mm
REDUCED SLIP	< 0.5 mm
REACTION TO FIRE	NPD

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, however it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 - FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK