



## TECHNICAL DATA SHEET

NOV 2025 Ver 01 - PALSG 25.11.25



# SUPER-GRIP

## READY MIXED ACRYLIC CERAMIC WALL TILE ADHESIVE

- Non-slip
- Splash proof
- Easy to apply

### DESCRIPTION

**PALACE SUPER-GRIP** is a ready mixed thin bed, acrylic based ceramic wall tile adhesive, specifically formulated to give excellent initial grab and non-slip properties with medium types of ceramic tiles with a surface area no bigger than 900cm<sup>2</sup>. It is manufactured to comply with the performance requirements of EN 12004 Type D1TE and is suitable for use in Kitchens and Bathrooms (not subject to prolonged wetting). Its super smooth consistency and non-slip properties make it easy to apply, allows for a generous open time to adjust and cut tiles, whilst still holding the tiles in a static position, reducing the need for support battens.

### Conforms to EN 12004 Type D1TE

### SURFACE PREPARATION

All surfaces must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. Gypsum finishing plaster should be at least 4 to 6 weeks old, thoroughly dry and wiped clean of dust, efflorescence and loose flaking material. Highly polished (shiny) plaster surfaces should be roughened with a stiff brush, removing all loose fines. All plaster and porous masonry surfaces should be primed with **PALACE MULTI-PRIME** diluted as 1:3 parts with water and allowed to dry. All wood based surfaces, (including plywood) should be over-laid with Tile Backer boards, screw fixed at 300mm centres to provide a dimensionally stable background as described in BS 5385 part 1.

### TECHNICAL DATA

UNIT SIZE	3.75 / 7.5 / 15kg
COLOUR	Off white
COVERAGE	1.5-2.0kg per sq. metre
OPEN TIME	20 minutes
DRYING TIME	24 hours (porous walls)*
WATER RESISTANCE	For frequently wet areas
CLASSIFICATION	D1TE

\* Dependent on temperature, substrate and site conditions

**PALACE SUPER-GRIP** is suitable for all types of ceramic wall tiles with a surface area no larger than 900cm<sup>2</sup>

EN ISO 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

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## SURFACE PREPARATION (CONTINUED)

All boards must be level, showing no edge protrusions and be fixed in place with a 0.5 to 1mm gap to avoid expansion stresses between the boards and around the wall corners. When tiling over existing tiles ensure they are securely fixed in all areas. Thoroughly clean and dry tiled, or non-porous surfaces and slightly score out joints to provide a key. Tiles with a surface area of less than 0.1M<sup>2</sup> but which weigh more per square metre than 70% of the background's maximum shear load capacity (see Technical Summary table) should be 100% solidly bedded between wall & tile back.

## APPLICATION

The adhesive should be applied to a maximum bed depth of no more than 3mm, using a 6mm notched trowel to form horizontal ribs on the wall surface before pressing the tiles in firmly with a slight twisting action to ensure good contact. On surfaces likely to be subject to regular wetting it is advisable to apply a thin skim of adhesive to the back of the tiles (back buttering) to fill any voids and to assist with gaining a solid bed of adhesive behind the tiles. Do not use the adhesive to fill out uneven areas when fixing, as this will lead to prolonged drying times. Porous surfaces will require priming with **PALACE MULTI-PRIME** diluted 1:3 parts with water, whereas impermeable surfaces should be clean, dry and slightly scored to provide a key.

## COVERAGE

Depending upon surface conditions, a notched trowel application will cover at the rate of about 1.7kg per square metres, whereas solid bed fixing will require about 0.7 square metres coverage per 1.7kg of adhesive.

## GROUTING

Apply a suitable Palace Grout using a grout float or squeegee and compact well into the joints, ensuring no gaps or voids remain open. Remove any excess grout from the tiled surface with a damp sponge and when the joint is set, polish the surface with a dry cloth to remove any dusty residue. Grout only in small areas to allow time for the excess material to be wiped clean from the tile face before it begins to dry.

## PRECAUTIONS

A Ready mixed adhesive will normally take up to 14 days to develop full strength and should not be exposed to wetting during this time. On non-porous surfaces, grouting should be delayed by up to 7 days after fixing to allow adequate drying to proceed. On porous surfaces, grouting can be applied 24 hours after fixing. This adhesive is not suitable for floor use, exterior use or fully immersed areas.

## STORAGE

Store in cool, dry, well-ventilated conditions, away from sources of heat, direct sunlight or exposure to frost. Always completely reseal the container after partial use.

## 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

## HEALTH & SAFETY

Keep out of reach of children. Avoid contact with skin and eyes - wear gloves and overalls when handling and using this product. Wash splashes from skin immediately with warm soapy water and ensure good ventilation when working in confined areas. If accidentally ingested, do not induce vomiting, give water and seek immediate medical attention.

**Contains:** Mixture of 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

May produce an allergic reaction.

Dispose of contents in accordance with local regulations.

## TECHNICAL ADVICE

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

## 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.

EN ISO 45001



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## 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

Concrete  
Sand / cement render  
Tile backer boards  
Concrete brick/block

**Gypsum finishing plaster / Plasterboard**  
Tanked where necessary

**Existing Tiles**  
Must be securely fixed & tanked where necessary

## CLASSIFICATION

<b>UK CA</b>	<b>C E</b>	<b>UK NI</b>
1289 - 21		
Palace Chemicals Ltd, Speke Hall Industrial Estate, Speke, Liverpool L24 1YA		
DoP - 1-1		
<b>EN 12004 : 2007 + A1 2012 - D1TE</b> Normal dispersion adhesive with reduced slip & extended open time		
Release of dangerous substrates		See MSDS
<b>Bond strength:</b>		
- Initial shear adhesion strength		$\geq 1.0 \text{ N/mm}^2$
<b>Durability for:</b>		
- Tensile adhesion strength after 30 minutes open time		$\geq 0.5 \text{ N/mm}^2$
- Shear adhesion strength after heat ageing		$\geq 1.0 \text{ N/mm}^2$
<b>Special Characteristics:</b>		
- Reduced slip		$\leq 0.5\text{mm}$
Reaction to fire		Class E

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