



TECHNICAL DATA SHEET

DEC 2025 Ver 01 - PALAT 01.12.25



AQUA-TILE

READY MIXED WATERPROOF CERAMIC WALL TILE ADHESIVE

- Non-slip
- Instant grab
- Easy to apply

DESCRIPTION

PALACE AQUA-TILE is an off white, acrylic ready mixed, waterproof wall tile adhesive, manufactured to comply with the performance requirements of EN 12004 D2T. It is suitable for use in Kitchens, Bathrooms and Shower areas, where frequent wetting and regular splashing of the tiled area is likely, but not where full immersion may occur. Ideal for use on a variety of backgrounds including plaster, plasterboard, tile backer boards and existing ceramic tiles.

Conforms to EN 12004 Type D2T

SURFACE PREPARATION

Recently plastered or rendered surfaces should be allowed at least 4-6 weeks to dry out before tiling can proceed. Ensure all surfaces are sound, dry and free from dust, grease and loose or weak surface coatings. 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. Tile Backer Boards should be rigidly fixed and prepared in accordance with the Code of Practice for Ceramic Wall Tiling - BS 5385 part 1.

TECHNICAL DATA

UNIT SIZE	15kg
COLOUR	Off white
COVERAGE	1.7kg per sq. metre
OPEN TIME	20 minutes
DRYING TIME	24 hours (porous walls)*
WATER RESISTANCE	For frequently wet areas
CLASSIFICATION	D2T

** Dependent on temperature, substrate and site conditions*

PALACE AQUA-TILE is suitable for all types of ceramic wall tiles with a surface area no larger than 900cm²

EN ISO 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

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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.

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.

TECHNICAL ADVICE

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

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 5chloro-2-methyl-2H-isothiazol-3-one and 2methyl-2H-isothiazol-3-one (3:1).

May produce an allergic reaction.

Dispose of contents in accordance with local regulations.

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.

CLASSIFICATION

UK CA	C €	UK NI
1289 - 21		
Palace Chemicals Ltd, Speke Hall Industrial Estate, Speke, Liverpool L24 1YA		
DoP - 45-4		
EN 12004 : 2007 + A1 2012 - D2T Normal dispersion adhesive with reduced slip & extended open time		
Release of dangerous substrates		See MSDS
Bond strength:		
- Initial shear adhesion strength		≥ 1.0 N/mm ²
Durability for:		
- Tensile adhesion strength after 30 minutes open time		≥ 0.5 N/mm ²
- Shear adhesion strength after heat ageing		≥ 1.0 N/mm ²
- Shear adhesion strength at elevated temperature		≥ 1.0 N/mm ²
- Shear adhesion strength after water immersion		≥ 0.5 N/mm ²
Special Characteristics:		
- Reduced slip		≤ 0.5mm
Reaction to fire		Class E

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