TECHNICAL DATA SHEET

DEC 2025 Ver 01 - PALST 01.12.25



SHOWER-TIGHT

WATERPROOF TANKING KIT

- **Suitable for tiled showers, bathrooms & wet areas**
- **All-in-one tanking solution**
- **Tile over after 2 hours***

PRODUCT COMPONENTS

- Shower-Tight liquid membrane
- Palace Multi-Prime
- Reinforcing joint tape
- Installing instructions

DESCRIPTION

PALACE SHOWER-TIGHT is a waterproof barrier system designed to protect water sensitive structures and surfaces in tiled areas, where regular and frequent exposure to wet / damp conditions is expected, such as showers, bathrooms, wet-rooms and kitchen utility areas. When used in conjunction with the **PALACE SHOWER-TIGHT** (reinforcing tape & gaskets), this combination provides the added protection (in accordance with **EAD 030352-00-0503**) needed to bridge & cover cracks & joints where possible structural movement & vibration is likely to require sealing across wider gaps & joints over 3mm.. The full kit comprises of the following: **PALACE MULTI-PRIME** (1 litre), **PALACE SHOWER-TIGHT** non-woven polyester joint tape - 1 x 10cm x 10m, **PALACE SHOWER-TIGHT** liquid membrane (3.5kg).

TECHNICAL DATA

UNIT SIZE	Tanking kit
COLOUR	Grey
WET COVERAGE	0.5KG / per m^2 (per coat)
MINIMUM 2-COAT DRY DEPTH	0.8mm
DRYING TIME (1st coat)	1 - 2 hours @ 21°C*
DRYING TIME (2nd coat)	+ 2 hours @ 21°C*

** Dependent on temperature, substrate and site conditions*

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SURFACE PREPARATION

The surface receiving this protective coating should be stable, sound and free from oil, grease and loose deleterious coatings. Timber and boarded structures must be rigidly braced and sufficiently constructed to withstand anticipated loading without flexing, deformation or any movement around joints and seams.

Timber constructed floors & walls must also have sufficient ventilation from behind and below to avoid interstitial condensation. Maximum deviation in any surface plane must not exceed SR1 requirements of plus or minus 3mm over a 2m straight edge.

New concrete slabs should be fully cured for a minimum of 4 to 6 weeks before application. Ensure the receiving surface is free from any gaps & depressions and that gypsum-based surfaces (anhydrite screeds) have been allowed sufficient time to fully cure & dry out (<75%RH) before being primed with **PALACE MULTI-PRIME**.

Seal all structural gaps & joints with a **PALACE SILICONE SEALANT** or a suitable repair compound and then allow this to fully cure before proceeding. More significant gaps, joints, corners and wall/floor transitions greater than 3mm can be repaired using a suitable patch repair compound before being sealed over with tape from the **PALACE SHOWER-TIGHT**, then coated with **PALACE SHOWER-TIGHT** liquid membrane.

Boards should be firmly fixed to supporting joists and free from movement. Floorboards should be overlaid with at least 15mm exterior grade plywood or tile backerboards screw fixed at 300mm centres.

APPLICATION

Prime all surfaces (floors & walls) with a coat of **PALACE MULTI-PRIME** diluted 1:3 with water for pre-treating porous or dusty surfaces. Allow this coat to dry. Before applying the Shower-Tight coating, measure and pre-cut the reinforcing tape to ensure it will cover all wall & floor joints and provide a neat fit around the pipe / drain inlet points.

PALACE SHOWER-TIGHT waterproof coating should first be applied over and around all wall & floor joints; around pipe inlet zones and across the entire shower floor area. Whilst this initial coating is still wet, firmly press in the pre-cut lengths of reinforcing tape into the tacky membrane & smooth out any uneven creases and folds. When the coating on the reinforcing tape has dried into place (usually after 1 hour at 20°C), apply a second coat of **PALACE SHOWER-TIGHT** waterproof coating over all previously laid reinforcing tape, as well as all other areas including all taped & sealed wall & floor joints around the defined wet-zone base.

Allow up to 2 hours for **PALACE SHOWER-TIGHT** waterproof coating to dry out and if required, apply a fresh coat over any voids or areas where the first application has failed to achieve sufficient coverage.

Ensure all structures and surfaces being coated by **PALACE SHOWER-TIGHT** are stable, well-braced from movement and protected from the ingress of rising or penetrating damp by the pre-installation of a suitable DPM or tanking membrane. This coating cannot be left exposed for use as a final wearing surface. Surfaces protected by **PALACE SHOWER-TIGHT** are considered impermeable and do not require priming. Any large format or porcelain tiles should only be fixed using a polymer modified cement based adhesive such as **PALACE MULTI-FLEX** or **EASI-FLEX** depending on the surface structure. For more information consult the Palace Technical Department.

High temperature site conditions will increase the drying rate whilst lower temperatures will prolong drying time.

Guidelines in BS EN 5385 should be followed to ensure movement joints are accounted for in the design of the tiling installation and surface falls must allow water to run freely across the floor surface to the drain.

COVERAGE

On a smooth, level and even surface shower tight waterproof coating when applied to a consistent depth of not more than 1mm (two coats) should cover at about 1m² per kg and the contents of this pack are designed to be sufficient to provide adequate surface protection within the space usually occupied by a single domestic shower cubicle.

FIXING TILES

Surfaces protected by **PALACE SHOWER-TIGHT** are considered impermeable and do not require priming. Any large format or porcelain tiles should only be fixed to the prepared surface using a cement-based adhesive such as **PALACE EASI-FLEX C2TE-S1** or rapid setting **PALACE MULTI-FLEX C2FTE-S1**.

PRECAUTIONS

Do not apply **PALACE SHOWER-TIGHT** at substrate temperatures below +5°C and above +30°C. Tools should be washed with water immediately after use. Once the product has cured it can only be removed by mechanical means. Do not use over dynamic expansion joints, or cracks with vertical differential movement or joints. Do not expose the unprotected membrane to sun or weather for more than 30 days and never apply this product to sub-ground walls subject to negative hydrostatic pressure. Do not install directly over single layer wood floors, plywood or similar constructs where deflection is likely.

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STORAGE

PALACE SHOWER-TIGHT is supplied in a re-sealable bucket and has a storage life of not less than 12 months if stored in dry conditions. Do not store or apply in temperatures below 5°C or greater than 30°C. Should further technical information be required, contact the Palace Technical helpline on 0151 486 6101.

HEALTH & SAFETY

May Cause An Allergic Reaction

Keep out of reach of children. Avoid breathing dust. Wear protective gloves/ protective clothing/eye protection or face protection (mask). IF ON SKIN: Wash with plenty of water and soap. IF SWALLOWED: Do not induce vomiting. Get immediate medical advice / attention.

Contains: 1,2-benzisothiazol-3(2H)-on, 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.

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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.

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.

TECHNICAL ADVICE

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

PROPERTIES

- Protective waterproof under-tile coating
- Flexible enough for slight movement & vibration
- Solvent free, brush or roller applied coating system
- Compatible with most types of surface and substrate
- Provides ideal base for wall & floor tile fixing
- Reinforcing tape for sealing across wall, floor, pipe & drain entry points

RECOMMENDED AREAS OF USE

- Interior and exterior elevations
- Swimming pools and water features
- Showers, wet rooms and bath surrounds
- Bathrooms, utility areas and laundries
- Spas and hot tubs
- Kitchens and food processing areas
- Balconies over unoccupied spaces
- Worktops and facades
- Steam rooms

RECOMMENDED RECEIVING SURFACES

Plasterboard
Plywood
Lightweight backer boards
Cement backer boards
Gypsum plastered walls
Cement renders
Concrete
Existing tiles
Anhydrite floor screeds
Blockwork

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.

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CLASSIFICATION

UKCA	CE	UKNI
1289 - 24		
Palace Chemicals Ltd, Speke Hall Industrial Estate, Speke, Liverpool L24 1YA		
DoP - 49-10		
EN 14891:2012 - DMP Liquid applied watertight covering kit, for wet rooms, floors and walls beneath a wearing surface.		
Essential characteristics		
Water tightness	Watertight	
Crack bridging	≥ 0.75 mm	
Bond strength	≥ 0.5MPa	
Joint bridging	Pass	
Resistance to temperature	≥ 0.5MPa	
Resistance to water	≥ 0.5MPa	
Resistance to alkalinity	≥ 0.5MPa	
Water tightness around penetrations	Watertight	
Vapour permeability	Sd = 66m	

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