

Ver 04 - PALST 28.10.24

SHOWER-TIGHT

WATERPROOFING & TANKING KIT

- PROTECTIVE WATERPROOF UNDER-TILE COATING
- BUILT IN FLEXIBILITY ACCOMMODATES MOVEMENT & VIBRATION
- SOLVENT FREE, EASILY APPLIED LIQUID MEMBRANE
- COMPATIBLE WITH MOST SURFACES AND SUBSTRATES
- PROVIDES IDEAL BASE FOR WALL & FLOOR TILE FIXING



TECHNICAL SUMMARY

| | |
|--------------------------|---------------------------|
| UNIT SIZES | Covers 4.0 M ² |
| COLOURS | Dark Grey |
| MINIMUM 2 COAT THICKNESS | 0.7mm |
| DENSITY | 1.5kg/Litre |
| DRYING TIME (1ST COAT) | 1 hour @ 23°C |
| DRYING TIME (2ND COAT) | 2 to 3 hours @ 23°C |
| CRACK BRIDGING | > 0.75mm |

* Dependent on temperature of substrate and site conditions

PALACE SHOWER-TIGHT

Is a waterproof barrier system designed to protect water sensitive structures and surfaces in tiled areas, such as showers, bathrooms, wet-rooms and kitchen utility areas. The content of this bucket includes a surface primer, a grey flexible waterproof coating and a super strong polyester floor mat.

PROTECTIVE COATING

WATERPROOF BARRIER SYSTEM IDEAL FOR WET-ROOMS

SHOWER-TIGHT

Waterproofing & Tanking Kit



DESCRIPTION

PALACE SHOWER-TIGHT cures to a seamless, durable protective membrane, inhibiting the passage of moisture from within the tiled area through to surfaces and structures sensitive to the effects of prolonged water migration, such as plaster, render, plasterboards, timber, suspended floors and plywood overlays. The **SHOWER-TIGHT** barrier system is flexible enough to accommodate any slight movement or vibration which may be expected under normal conditions of use in and around structurally stable floors, walls, showers and utility fittings.

The full kit comprises of the following:

- PRIMER (1 litre)
- 1.0 sq. meter Polyester Floor Mat
- 10.0 metre x 100m Polyester joint tape
- **SHOWER-TIGHT** liquid membrane (2.5 litre)

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 floors and walls must also have sufficient ventilation from behind and below to avoid interstitial condensation. Ensure the receiving surface is free from any gaps & depressions and that gypsum-based surfaces have been allowed sufficient time to fully cure & dry out. Seal all gaps, joints and cracks with a SILICONE SEALANT or in wider gaps a suitable repair compound and then allow this to fully cure before proceeding.

APPLICATION METHOD

Prime all surfaces (floors and walls) with a coat of **PALACE SHOWER-TIGHT PRIMER** and allow up to 3 hours curing time. When the surface is adequately prepared and the primer coat has dried. Stir thoroughly the **PALACE SHOWER-TIGHT** liquid membrane to give a smooth paintable viscous consistency. **PALACE SHOWER-TIGHT** liquid waterproof membrane should first be brush or roller applied generously around all horizontal and vertical joints, corners, cracks and seams in and around the backing surfaces and at the joints surrounding pipe penetrations and drainage gullies.

- Using a brush or roller apply **PALACE SHOWER-TIGHT** to all wall, floor and tray joints. Apply the joint tape over joint lines while the **PALACE SHOWER-TIGHT**

coatings is still wet, smoothing down the tape as you go to remove air bubbles.

- When fitting drainage gullies with **PALACE SHOWER-TIGHT** ensure that the whole gully gasket (supplied separately) is covered.
- Once the wall area is treated, apply a coat of **SHOWER-TIGHT** across the floor and then cut to size (if necessary) and evenly press out the square metre of polyester matting, leaving no creases, bubbles or wrinkles, whilst ensuring it comfortably accommodates any drain points.
- Apply final coat of **SHOWER-TIGHT** liquid waterproof membrane over all exposed area of tape & matting, ensuring that the entire enclosure is of a consistent colour & even finish.
- Leave to dry overnight or for at least eight hours before tiling (depending on site conditions). We recommend a full 24-hour cure for cold & damp site conditions.
- Allow 24 hours for **PALACE SHOWER-TIGHT** waterproof coating to dry out and re-apply a fresh coat over any voids or areas where the first application has failed to achieve sufficient coverage.

For fixing tiles over this prepared substrate, use a cement-based polymer modified tile adhesive which conforms to the EN 12004 classification C2FT and fix Tiles in accordance with the code of practice BS5385:2009. 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.

PRECAUTIONS

Ensure all structures and surfaces being coated by **PALACE SHOWER-TIGHT** are protected from the ingress of rising or penetrating damp by the pre-installation of a suitable external DPM or tanking membrane. This coating is not suitable for use in exterior locations nor can it be left exposed for use as a final wearing surface. Surfaces protected by **PALACE SHOWER-TIGHT** are considered impermeable and do not require priming.

NOTE: Once the Wet-room or shower is installed and the grout is fully dry, check for leaks before using regularly.

STORAGE & PACKAGING

PALACE SHOWER-TIGHT is supplied in a re-sealable bucket with all listed components and has a storage life of not less than 12 months if stored in dry, un-opened conditions.



EN ISO 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

PALACE CHEMICALS LTD

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COVERAGE

Depends on the surface texture and porosity, however on a typical smooth, even surface **PALACE SHOWER-TIGHT** waterproof coating will cover at an optimum rate of approximately 1.0 m² per Kg (+/- 0.1 m²/Kg) and this 4kg pack is sufficient to cover 4 square metres when applied as a two-coat system with an average and consistent finished coating depth of about 0.7 mm.

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 using a polymer modified cement-based adhesive classified to EN12004 C2T or C2FT-S1 depending on the surface structure and the preference for a quick setting time.

HEALTH AND SAFETY

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 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.

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 SIZE | Cover 4.0 M ² |
| COLOUR | Dark Grey |
| MINIMUM 2-COAT THICKNESS | 0.7mm |
| DENSITY | 1.5 Kg/Litre |
| DRYING TIME (1ST COAT) | 1 hour @ 23°C |
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| CRACK BRIDGING | >0.75mm |

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| RECOMMENDED AREAS OF USE |
|--|
| Interior and Exterior Elevations |
| 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 SURFACES |
|---------------------------|
| Plasterboard |
| Plywood |
| Lightweight Backer boards |
| Cement Backer Boards |
| Gypsum Plastered Walls |
| Cement Renders |
| Concrete |
| Existing Tiles |
| Anhydrite Floor Screeds |
| Blockwork (smooth) |



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EN 14891:2012 - DMP

Liquid-applied waterproof impermeable product for internal installations on walls & floors, beneath ceramic tiling (Bonded with C2 adhesive in accordance with EN12004).

| | |
|--|-------------------------|
| WATERPROOFING | No penetration |
| CRACK BRIDGING AT LOW TEMPERATURE (-20°C) | > 0.75 mm |
| INITIAL TENSILE ADHESION STRENGTH | > 0.5 N/mm ² |
| TENSILE ADHESION STRENGTH AFTER HEAT AGEING | > 0.5 N/mm ² |
| TENSILE ADHESION STRENGTH AFTER FREEZE THAW CYCLES | > 0.5 N/mm ² |
| TENSILE ADHESION STRENGTH AFTER WATER IMMERSION | > 0.5 N/mm ² |
| TENSILE ADHESION STRENGTH AFTER CONTACT WITH LIME WATER | > 0.5 N/mm ² |

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.

