

Ver 03 - PALWR 08.07.21

WET-ROOM

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 6.0 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 WET-ROOM

Is a combined waterproof membrane system designed to protect tiled areas in areas including wet-rooms, showers, bathrooms, & kitchen utility areas. Inhibiting the passage of moisture from within the tiled area, into substrates such as plaster, render, plasterboards, tile backer boards, timber, suspended floors concrete floors and plywood overlays.

PROTECTIVE COATING

SOLVENT FREE EASILY APPLIED LIQUID MEMBRANE

WET-ROOM

Waterproofing & Tanking Kit



DESCRIPTION

PALACE WET-ROOM is a waterproof liquid membrane which can be applied by brush or roller over suitably prepared surfaces. When used in conjunction with the **PALACE WET-ROOM** elastomeric joint & pipe entry tape provide the added flexural strength needed to bridge cracks, minor gaps (<3mm) & wall & floor joints whilst also maintaining a seal around water inlet pipes and the gully outlet. The full kit comprises of the following

- WET-ROOM PRIMER (1 litre)
- WET-ROOM pipe entry collars (2)
- WET-ROOM 2 of 10 cm x 5 m Elastomeric Flexible tape rolls
- WET-ROOM LIQUID MEMBRANE (5 litre)

PROPERTIES

- 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.
- Highly elastomeric tape provides crack-bridging
- protection for all wall & floor joints.

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 WET-ROOM** and allow up to 3 hours curing time. If using the tray former do not prime the tray former. Concrete floors must be primed. If you have existing walls covered with plaster or plasterboard use **PALACE WET-ROOM PRIMER** to seal the walls. If the walls are not covered, then clad walls with panels or plaster board (not supplied) and coat with **PALACE WET-ROOM PRIMER** (follow the written instructions provided in the tanking system).

- Using a brush or roller apply **PALACE WET-ROOM** to all wall, floor and tray joints. Apply the joint tape while the **PALACE WET-ROOM** is still wet smoothing down the tape as you go.
- When fitting drainage gullies with **PALACE WET-ROOM** ensure that the whole gully gasket (supplied separately) is covered.
- Smooth down the pipe collars so there are no air pockets left. Now cover the whole floor (tray), tape, gaskets and walls with one coat of **PALACE WET-ROOM** horizontally and allow to dry for three hours, then apply a second coat of **PALACE WET-ROOM** vertically, ensuring you have full coverage.
- 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.

Ensure the **PALACE WET-ROOM** Tanking System is installed as per the instructions and follow the **PALACE WET-ROOM** Tanking System instructions so that the tapes, gaskets and the membrane are fully secure before installing the tiles. Finally, 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 WET-ROOM** 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.

PRECAUTIONS

Ensure all structures and surfaces being coated by **PALACE WET-ROOM** 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 or permanently immersed installations, nor can it be left exposed for use as a final wearing surface. Surfaces protected by **PALACE WET-ROOM** 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.



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

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COVERAGE

Depends on the surface texture and porosity, however on a typical smooth, even surface **PALACE WET-ROOM** waterproof coating will cover at an optimum rate of approximately 1.0 m² per Kg (+/- 0.1 m²/Kg) and this 8kg pack is sufficient to cover 8 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 WET-ROOM** 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.

STORAGE & PACKAGING

PALACE WET-ROOM KIT 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.

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>

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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 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, 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.



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