

## OB1 WATERPROOF TANKING SOLUTION

### Properties

- Easy to apply with brush or roller
- Protective waterproof under-tile coating
- Flexibility accommodates movement & vibration
- Forms a strong bond to most wall & floor surfaces
- Suitable for use beneath immersed tiling

### 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

### Product Description

OB1 Waterproof Tanking Solution will inhibit the passage of moisture from within tiled areas, into substrates such as plaster, render, plasterboards, tile backer boards, plyboard, suspended floors, anhydrite floors and fibre-board overlays.

OB1 Waterproof Tanking Solution is a one-part waterproof liquid tanking membrane applied by brush or roller over stable surfaces & structures, protecting them against moisture penetration through a tiled surface in locations such as wet-rooms, showers, bathrooms, kitchens & utility rooms where existing surface cracks & joints are no wider than 3mm. When used in conjunction with reinforcing joint tapes & gaskets, this combination provides the added protection (in compliance 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.



### Technical Specifications

Unit Size	7kg
Colour	Grey
Wet Coverage	0.4 litre / m <sup>2</sup> per coat
Minimum 2-Coat Dry Depth	0.8mm
Drying Time (1st Coat)	1-2 hours at 21°C*
Drying Time (2nd Coat)	1-2 hours at 21°C*

*\*Dependent on temperature, substrate and site conditions*

### Storage

Store in dry conditions. Do not store or apply in temperatures below 5°C or greater than 30°C.

### Shelf Life

12 months from date of manufacture.

## 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 (plaster & anhydrite) have been allowed sufficient time to fully cure & dry out (<75%RH) before being primed.

Seal all structural gaps & joints with OB1 PlumbersPal 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 reinforcing tape then coated with OB1 Waterproof Tanking Solution.

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

On semi-porous surfaces, use a brush or roller to apply OB1 Waterproof Tanking Solution diluted at 1:3 parts with clean water to seal the walls & floors across all areas, then allow to dry prior to using the OB1 Waterproof Tanking Solution.

Using a brush or roller, liberally apply the first coat of OB1 Waterproof Tanking Solution to all wall, floor surfaces & structural joints, pipe inlets & gully areas. Coverage rate should be a minimum of 0.5kg per m<sup>2</sup>, equivalent to 0.4mm wet depth per dry coat. Once the first coat is dry, apply a second coat of OB1 Waterproof Tanking Solution at the above rate and allow to dry.

Where movement is likely to create wider gaps or joints (>3mm), cut the reinforcing tape to size and press the pre-cut tape across all joints whilst the first coat of OB1 Waterproof Tanking Solution is still wet, smoothing down the tape as you go, forcing out any trapped air and repeat this procedure where the pipe entry gaskets are being fitted and around the gully area.

When all tapes & gaskets are securely in place apply a second coat of OB1 Waterproof Tanking Solution at 0.5kg per m<sup>2</sup> across the full area of the floor and walls (including over the taped joints & inlets) and allow to dry. OB1 Waterproof Tanking Solution is usually ready to tile in 2 hours, but depending on site conditions, a full 24 hours may be required for unheated areas.

When fitting drainage gullies with OB1 Waterproof Tanking Solution ensure that the whole gully gasket is covered. When the first coat is dry cover with a second coat and when this is dry, apply OB1 PlumbersPal around the gully edges & drain throat.

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

Depends on the surface texture and porosity, however on a typical smooth, even surface, OB1 Waterproof Tanking Solution will cover at an optimum rate of no less than 0.5kg per m<sup>2</sup>, (1.0 m<sup>2</sup> per kg as two coats) and this 7kg pack is sufficient to cover 7m<sup>2</sup> with an average and consistent finished average dry coating depth of 0.8mm +/- 0.1mm.

## Precautions

Ensure all structures and surfaces being coated by OB1 Waterproof Tanking Solution are protected from the ingress of rising or penetrating damp by the preinstallation of a suitable external DPM or tanking membrane.




Do not apply OB1 Waterproof Tanking Solution on 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. OB1 Waterproof Tanking Solution must be covered with ceramic tile, stone, or for temporary cover, use protection boards. Do not install directly over single layer wood floors, plywood or similar constructs where deflection is likely.

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## Classification

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Siroflex Limited, Dodworth Business Park, Dodworth Barnsley, South Yorkshire, S75 3SP	
DoP S5032822009973 - 0056	
<b>EN 14891:2012 DMP</b> Liquid applied watertight covering kit, for wet rooms, floors and walls beneath a wearing surface.	
<b>Essential characteristics</b>	
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