



Tanking System

Technical Document

TANKING SYSTEM IS AN ADVANCED SEALING SYSTEM DESIGNED TO GIVE A WATERPROOF COATING FOR PROTECTION OF WATER SENSITIVE BACKGROUNDS PRIOR TO TILING. TANKING SYSTEM PREPARES SUBSTRATES READY FOR THE APPLICATION OF CERAMICS, PORCELAIN AND NATURAL STONES, INCREASING ADHESION, DURABILITY, WATER RESISTANCE AND STRENGTH. TANKING SYSTEM IS IDEAL FOR AREAS THAT ARE REGULARLY EXPOSED TO DAMP ATMOSPHERIC CONDITIONS SUCH AS WET ROOMS, SHOWERS, BATHROOMS AND KITCHENS. THE SYSTEM PRODUCES A BARRIER TO MOISTURE; FLEXIBLE ENOUGH TO ACCOMMODATE SLIGHT MOVEMENT OR VIBRATION, WHICH MAY BE EXPECTED UNDER NORMAL CONDITIONS OF USE, IN AND AROUND WELL CONSTRUCTED STRUCTURALLY STABLE FLOORS, WALLS AND SHOWER CUBICLES. TANKING SYSTEM IS UNSUITABLE FOR AREAS SUBJECT TO PERMANENT WATER IMMERSION SUCH AS SWIMMING POOLS.

HEALTH PRECAUTIONS:

The components of the kit are not classified as toxic or hazardous. However, it is recommended that elementary health precautions be followed, including: wear protective gloves and glasses, ventilate working areas, if there is accidental contact with skin or eyes wash thoroughly with water. Keep out of children's reach.

PREPARATION:

Before starting, all substrates must be clean, dry and strong enough to support the weight of the tiles and adhesive. Remove all dust, dirt, oil, grease and other contaminants that may affect adhesion. The temperature of the substrate must be above 50C when ta Tanking system is applied. Underfloor heating must be switched off, 2 days before application. Seal all joints, gaps and cracks with a recommended silicone sealant and allow to dry.

APPLICATION:

Shake PRIMEplus before use. Dilution rates for Primeplus are below under Substrates. Apply evenly to the whole surface to be treated, with a paint roller or brush, if you use a roller the coverage will decrease. Wash tools after use with warm water. Allow approximately 1 hour in good conditions to dry fully. Avoid excessive trafficking once drying has been completed.

Apply a coat of Tanking Slurry to all joints, corners, cracks and junctions between walls and floors. Cut to measure, the joint reinforcing tape supplied, to cover and overlap the vertical and horizontal joints of the surface to be sealed. Place the joint reinforcing tape on the applied Tanking Slurry and smooth down with a flat trowel. Repeat this operation if required to join all the surfaces to be treated, overlapping and creating a full solid surface in preparation for the TANKING SYSTEM application.

Apply TANKING SLURRY with a brush or smooth spatula directly to the surface to be treated. Apply one coat horizontally and one coat vertically whilst allowing the first coat to dry (2 to 4 hours) before commencing with the second coat. The drying time will depend on the porosity of the substrate, thickness applied and temperature of the room. The thickness of each coat must be at least 0.5mm thick. Allow 24 hours for full cure before foot traffic and tile fixing.



ADVANTAGES:

- Ready to use
- Easy to use
- Stabilises water-sensitive substrates, ready to apply tiles

APPLICATION TO:

- Plaster
- Plaster boards
- Tile backer boards
- Timber
- Suspended floors
- Brick/Block
- Render
- Cement boards
- Plywood Overlays





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SUBSTRATES

Concrete/screed:

Ensure new concrete is confirmed dry via consistent moisture readings across the whole surface. Sand/Cement screeds must have a moisture reading of less than 75% RH before work can commence. If it is a new screed, allow 1 day per mm for drying. Remove any laitance from the surface mechanically and remove all dust ideally by vacuum. Prime the surface with Primeplus diluted 3 parts water to 1 part Primeplus.

Plaster/plasterboard:

New plaster must be allowed to dry for a minimum of 4 weeks. Make sure surface is free of loose dirt or dust. Prime the surface with Primeplus diluted 3 parts water to 1 part Primeplus, followed by a second neat coat.

Chipboard:

Chipboard must be a minimum of 18mm and must be screwed (not nailed) every 6 inches/150mm centres to the substrate. Ensure there is sufficient ventilation beneath the substrate and that the chipboard has been fitted competently and will take the weight of the final covering being applied. Make sure surface is free of loose dirt or dust. Exposed edges and joints must be sealed by applying neat Primeplus. Prime the remainder of the surface with Primeplus diluted 2 parts water to 1 part Primeplus and allow to dry.

Plywood:

Ensure there is sufficient ventilation beneath the substrate and that the substrate is strong enough to support the weight of the leveller, adhesive and the final covering being applied. Make sure surface is free of loose dirt and dust. Prime the surface with Primeplus diluted 3 parts water to 1 part Primeplus.

T/g boarding and floorboards:

Existing tongue and groove boards should be screwed down to the joists every 6 inches/150mm to provide a rigid, flat and adequately braced surface. Ensure there is sufficient ventilation beneath the substrate and that the substrate is strong enough to support the weight of the leveller, adhesive and the final covering being applied. Make sure surface is free of loose dirt or dust. Prime the whole surface with neat Primeplus.

Brick/block:

Ensure surface is free of loose dirt and dust. Prime with Primeplus diluted 3 parts water to 1 part Primeplus. Anhydrite/Gypsum Screed: Ensure the Anhydrite/Gypsum screed is confirmed dry via consistent moisture readings across the whole surface. Anhydrite screeds must have a moisture reading of less than 75% RH before work can commence. If it is a new screed, allow 1 day per mm for drying.

Remove any laitance from the surface mechanically and remove all dust ideally by vacuum. Prime the surface with 2 coats of Primeplus diluted 3 parts water to 1 part Primeplus and allow to dry.

Power Floated Concrete:

Ensure the surface has been allowed 7 days to cure. Power floated concrete can leave a loose top layer and/or laitance once it has cured. Remove the loose top layer and any laitance from the surface mechanically or by acid etching and remove all dust and particles ideally by vacuum. Once all laitance has been removed, prime the surface with Primeplus diluted 3 parts water to 1 part Primeplus.

TILE FIXING:

Allow 24 hours for full cure of the tanking system before tiling commences. We would recommend the following Tilemaster adhesives for fixing onto the Tanking system:

Setaflex Grey & White, Standard Setaflex Grey & White, Ultimate Grey & White, Extrabond Grey & White.

WARNINGS:

During drying of TANKING SYSTEM, protect the treated area from water.

Always use provided pack items.

Do not apply TANKING SYSTEM in areas that are permanently in contact with still or trapped water.

Do not use product to repair tar or oil based coatings.

Clean the tools with water.



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Pack Size	7kg
Pack Contents	1 litre Primeplus, 5kg ta Tanking Slurry, 10 metres of jointing tape, 1 pair of latex gloves, Instructions
Coverage	6.2 m ²
Colour	Blue liquid
Application Temperature	Between 50C and 300C
First coat drying	2 – 3 hours at 200C
Before Tiling	24 hours
Contact with Water	48 hours
Storage	Store unopened, clear of the ground in cool, dry conditions and protect from excessive drafts.
Shelf Life	Stored correctly this product has a shelf life of 12 months

TECHNICAL NOTES:

The information contained on this spec sheet is given voluntarily and in good faith. It is to the best of our knowledge true and accurate; however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or the possibility of variations of working conditions and of workmanship outside our control.



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