

BPI TANKING SLURRY

A cementitious waterproof coating designed for use below and above ground for cellars, retaining walls, and tanks.

Technical Data Sheet

PROFESSIONAL RANGE



**CLASS
EN998-1**

Description:

BPI Tanking Slurry is a cementitious waterproof coating designed for use below and above ground for cellars, retaining walls, and tanks. Conforms to EN998-1:2010.

Features & Benefits:

- **Excellent adhesion to most common building materials – see surface preparation.**
- **Water based - safe to apply on damp surfaces.**
- **Easy application - applied by brush.**
- **Resistant to positive and negative water pressure up to 7 Bar.**
- **WRAS approved formulation.**

Uses

High performance; high water resistance (EN 998-1), flexibility, good adhesion and set control in a water mix form. BPI Tanking Slurry is a blend of Portland cements, quality graded aggregates and chemical modifiers, which provide a waterproof coating system.

Suitable Applications: Tanks, pits and swimming pools; Above and below ground walls and floors; Cellars, underground rooms; Interior spaces, e.g. ducting, party walls, lift shafts; Fish ponds.

Limitations

Do not apply over plaster, wallpaper or paint as the dampness will be retained under the BPI Tanking Slurry and cause the plaster, wallpaper or paint to fail taking all subsequent coatings along with it. Not suitable for wood, plastic or fabric. Not suitable for Gypsum based plasters. Stainless steel form details only to be used.

Preparation

1. Suitable for use with; brick, stone, and concrete surfaces.
2. It is recommended sources of water and damp are removed. A damp proof course should be employed.
3. All contact surfaces must be clean and sound, and free from dust, grease particles and loose material or previous coatings. The surface must be prepared using abrasive tools, jet washing or wire brushing and any debris removed with clean water. A sound mechanical key surface must be achieved prior to slurry or backing render application, otherwise damp will build up under the tanking coating and will affect the bond to the substrate.
4. Tap off water pressure where necessary insert a fillet at floor and wall joint.
5. Running water and surface defects, such as holes, cracks or fractures should be filled with BPI Plugging Compound. BPI Plugging Compound can be over coated with BPI Tanking Slurry as soon as it is cool and dry to the touch.
6. Under normal applications no priming is required. For difficult surfaces a Pre-grit or SBR Admixture may be applied as a primer coat.
7. Seal around all services and pipes with BPI Memstick Adhesive.

Mixing

1. The water requirement to produce the coating is 5 Litres of clean water per 20Kg of dry material.
2. Pour the required quantity of water into suitable mixing bucket / container. Slowly add the powder to the water whilst continuously mixing with a mechanical paddle / stirrer.
3. Mixing should be continued until all the powder is homogenously combined into a “creamy” consistency. As a rule of thumb – when the block brush is placed into the mix bristles first the non bristle part should float on the surface when the correct consistency is achieved.
4. Additional water will reduce the effectiveness of the product.
5. Do not mix more product than can be applied in a 30 minute period.

Application

BPI Tanking Slurry can be applied when both the surface and air temperature is in the range of +5°C to +25°C. This product is susceptible to frost damage – see storage. Dampen the surface, ensure no standing or pooled water is present. This is a two coat application. Apply the first coat to a thickness of 2mm in a vertical direction, working the slurry into any pinholes, crevices or edges thoroughly with a brush. Rollers can be used over larger sections but the surface should be inspected for any gaps or breaks in coating. The slurry needs to be a continuous film for it to be effective, this is especially important at the floor/wall junction. Inspect the coating after approximately 3 hours for breaks or gaps. If the film is consistent, touch dry and fully adhered apply a second coat horizontally, as this will ensure complete coverage of the substrate. Do not re-temper stiffened material. Once applied protect from frost, direct sunlight and wet weather.

Curing

Drying times are affected by the substrate, the moisture content of the substrate, the temperature of the substrate and the air. Under standard conditions the film should be touch dry in 2 hours and thoroughly dry in 6-8 hours. Good ventilation is essential for correct drying and curing of the product. Dehumidifiers or other heat sources to accelerate drying must not be used. Protect from frost, direct sunlight, and drying winds for 24 hours. Note: Tanking Slurry is not designed to be a final wearing coat.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Overcoating

It is recommended that BPI Tanking Slurry is not over coated until after 5 days. If plastering, only a cement based renovating plaster can be used. Solvent based paints are not suitable. Water based paints can be used however, the first coat should be of a matt emulsion type, not silk or similar.

Cleaning

Clean tools immediately after use in warm, soapy water then rinse in clean water.

Size & Coverage

20kg with mixing bucket. 20Kg bag is sufficient to cover approximately 12m².

Colour

Grey Powder

Shelf Life

12 months from date of manufacture, before the date shown on the tub when stored in unopened sacks.

Storage Conditions

Store in original unopened bags. Once opened the product will absorb moisture from the air and become unusable. Store in a cool, dry place between +5 to +25°C and protect from frost. Do not place bags on the ground.

Disposal Of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any bags or used material to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate Safety Data Sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

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DoP No: BPI-TANK-001

EN 998-1:2010
Renovation Mortar (R) for internal use

Reaction to fire: Class F
Adhesion: NPD
Release of dangerous substances: See SDS



Specification Summary

Appearance	Grey powder
Composition	Cement plus additives
Coverage	Dependent on the porosity of the substrate but as a guide 12m ² per 20Kg powder
Pot Life	30-50 minutes at 23°C, shorter at higher temperatures
Application Temperature	+5°C to +25°C
Full Curing Time	6-8 hours
Skin Time	2 hours
Commodity Code	3816000000

Product / Order Details

Code	Colour	Size	Barcode
BPI.TANKTUB.20	Grey	20Kg with mixing bucket	5061123140085



Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.

Part of the BPI Professional Range

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