

Epoxy Tanking & Epoxy DPM

Code 159 for 5kg (White)

Code 161 for 5kg (Grey)

Biokil Crown Epoxy Tanking, is a two-part Epoxy Resin Coating specially developed for use in most difficult and corrosion resistant areas and can be applied on damp/dry surfaces both internally and externally.

This coating is most suitable for application to Factory Floors Walls, Reservoirs, Tanks Swimming Pools, Silos, and Water Treatment Works.

Can be used as an Epoxy DPM (2 coats recommended).



Benefits

- The universal 'tanking' product
- Easy to use
- Waterproof
- Wide range of resistance to spillages of Acids, Alkalis and Solvents
- Vapour barrier when used in conjunction with Epoxy Bonding Sealer
- DPM
- Virtually odourless

Typical Applications

Providing protection to floors and walls (above and below ground) exposed to aggressive waters severe weather conditions and chemical spillages. and hydrostatic pressure. This product is designed to be used in conjunction with **Epoxy Bonding Sealer** for such works.

Can also be used as an Epoxy DPM (2 coats required).

Preparation

Substrate Preparation

Before undertaking tanking, it is essential that the different types of substrate (e.g. brick, stone, concrete) be identified, because the type and degree of preparation will vary considerably and therefore the costs involved must be carefully calculated. It cannot be emphasised too greatly that **all waterproof coatings entirely rely on the quality of preparation** for their long-term effectiveness and therefore considerable time and expense must be allowed for this work within the job costing.

All surfaces should be clean, sound and have no traces of oil grease dust, bitumen or any other contaminant (vacuum cleaning is very important) Concrete laitance should be removed by acid washing and rinsing thoroughly. Cleaning is imperative and best results are obtained by the use of **Biokil Crown Premium Substrate Cleaner**. For best results grit blasting is recommended. It may also be applied to previously painted floors providing they are well abraded or grit blasted vacuumed and sealed with **Epoxy Bonding Sealer** as loose particles will compromise the bond. Surfaces can be damp but running water must be stopped before **Epoxy Bonding Sealer** is used (use **Mapei Lamposilex water plug**) during the application and full curing period. Steel surfaces should be grit blasted to bright metal. In all below ground treatments **Epoxy Tanking** must be applied over **Epoxy Bonding Sealer**.

Biokil Crown Ltd

Unit 31 Hilton Industrial Estate, Sutton Lane, Hilton, Derbyshire, DE65 5FE
 Telephone: 0115 946 0060 Fax: 0115 946 9767 Email: info@biokilcrown.co.uk
www.biokilcrown.co.uk



Mixing

First stir the contents of each Pack thoroughly then empty the entire contents of Pack B (small container) into Pack A (large container) taking care to scrape the sides and bottom of the container and stir thoroughly. Continue mixing until the colour is uniform. Up to one litre of clean cold water may be added and mixed thoroughly. Mechanical mixing using a clean paddle attached to a heavy duty slow speed electric drill is recommended. You **MUST** always mix the entire contents of Pack A & B.

Note: Once mixed the entire can must be used at once. It is important that part of the mix is not left in the can waiting for a first coat to go tacky. This will result in the part left in the can hardening off. A second Pack (A&B) must always be used for the second coat.

Application

If using as part of a waterproofing solution, the **Epoxy Tanking** may be applied when the second coat of **Epoxy Bonding Sealer** is touch dry but at least within 24 hours. Each coat should be well brushed out to a smooth even finish with the second coat applied at right angles to the first. Do not apply at temperatures below 7°C.

Note: If **Epoxy Bonding Sealer** is allowed to cure beyond 24 hours then the first application of **Epoxy Tanking** may shrink in areas. This will be covered by the second coat, but a third coat will be required for full protection. To avoid this problem apply a further coat of **Epoxy Bonding Sealer** to the cured material before coating with Epoxy Tanking. Immediately after mixing the material should be applied by brush or airless spray equipment. Two coats are normally required for maximum resistance, but one coat is sufficient for a standard DPM.

For the best inter coat adhesion the second coat should be applied immediately the first coat is touch dry and within 24 hours after applying the first coat. When using airless spray a dilution of up to 20% with water may be required.

Ensure all equipment is cleaned thoroughly with water. Anti-Slip aggregates are often incorporated in the film to aid additional slip resistance particularly on smooth concrete in wet production areas.

Note: For use as an Epoxy DPM, one coat may be sufficient, however, two coats are recommended. To form part of a Waterproofing Epoxy System, two coats **MUST** be applied.

Curing

Tack free in 24 hours at 20°C. Suitable for light traffic in 24 hours. Full chemical and abrasion resistance in 7 days.

Pot Life

1-2 hours at 20°C. Reduced pot life at higher temperatures. Extended pot life at lower temperatures

Coverage

Approx. 30m² per 5Kg (single coat to smooth surfaces). Porous surfaces and those with heavy textures will use much more.

Contents / Packaging

5Kg, Twin Pack labelled. Pack A (Resin) and Pack B (Hardener) combined volume making 5Kg Litres.

Storage /Shelf Life

Shelf Life: 12 months in sealed containers stored at above 5°C. Protect from frost

Health & Safety

As some people find Epoxy Resin based products irritant to the skin all users are recommended to use barrier cream and protective clothing. After use wash hands thoroughly with soap and water. Work to a high standard of personal hygiene. See separate Material Safety Data Sheet. Clean all tools etc., with soap and water immediately after use.

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