

TECHNICAL DATA SHEET

BLOCKOUT ETL

Epoxy Tank Lining

PRODUCT DESCRIPTION:

BLOCKOUT ETL is a two-component epoxy coating formulated from high-grade resins and curing agents for storage tanks. It is supplied in pre-measured quantities ready for site mixing and use. It hardens to an abrasive resistance coating with high adhesive strength on properly prepared substrates such as concrete and steel.

BLOCKOUT ETL is water-impermeable and has excellent resistance to oil, solvents, alkalis, and most dilute acids.

CUSTOMER BENEFITS:

- Pre-packaged and proportioned
- Excellent durability
- High resistance to chemical and mechanical attack
- Can be applied to vertical and horizontal substrates
- Can be applied directly to steel and concrete
- Excellent adhesion
- Smooth, glossy and easy-to-clean surface
- User-friendly mix ratio

RECOMMENDED FOR:

Coating the interior and exterior surfaces of concrete, steel, and wooden tanks such as those used for storing potable water, chemicals (except for highly concentrated acids), grains, powders, and other liquids. It may be reinforced with fiberglass as in the case of concrete structures that are not integrally waterproofed. It is also used as a grouting material to seal off the gaps where ceramic tiles are used to line storage tanks.

INSTRUCTION FOR USE

SURFACE PREPARATION

The performance of **BLOCKOUT ETL** is dependent to the degree of surface preparation. All surfaces must be dry and free from oil, dust, grease, and other contaminants. The substrate must be clean and sound prior to application.

CONCRETE

Concrete structures must be clean, sound, and dry. Acid-etch the entire area to be coated, water-flush, and allow to dry. Apply **EPOCOAT MB** or **SURFIX WB** to the concrete surface before the application of **BLOCKOUT ETL**.

STEEL SURFACES

All surfaces should be grit blasted, and the newly cleaned steel should be coated as soon as possible before the formation of rust. The most effective and economical method for steel surfaces is usually abrasive blasting, but when it is impractical or not possible, **BLOCKOUT ETL** may be applied over mechanically cleaned surfaces.

MIXING

Stir individual components before mixing. The entire contents of Part B should be added to the Part A container and mixed thoroughly until a uniform consistency is obtained. The mixing ratio is 2 parts volume of A and 1 part volume of B. The pot life of the mixture is 30-45 minutes.

Note: *Keep the mixture away from direct sunlight or sources of heat to avoid premature curing. Keep the ambient temperature at 10-30°C during mixing and application.*

APPLICATION

The mixed material should be applied with a suitable stiff nylon-type brush. The first coat must be firmly applied and scrubbed into the surface, ensuring a uniform coating. Second and subsequent coats may then be applied as necessary, allowing 6 hours between each coat.

THEORETICAL SPREADING RATE

Recommended coverage:

14 m² at 200µm (0.2mm) dry film thickness

For normal tanks, the film thickness is 0.2-0.4mm.

Note: *The coverage rates provided above are for guidance purposes only. Actual usage may vary depending on the specific substrate conditions and application methods.*

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PACKAGING

BLOCKOUT ETL is available in 3.8 kg/gallon set

STORAGE AND HANDLING

BLOCKOUT ETL has a shelf life of 36 months if kept in a dry storage in the original, unopened containers.

PRECAUTIONS

HEALTH AND SAFETY

BLOCKOUT ETL components contain no solvents and are not considered flammable.

PART (A) component contains epoxies and epoxides. May cause allergic reactions such as itching, rash, or respiratory problems, and should leave the area if such symptoms develop.

PART (B) component contains alkaline amines. Personnel protective clothing should include goggles, rubber gloves, and full-length clothing. Use a NIOSH/MSHA approved respirator. In case of skin contact, remove contaminated clothing and wash the affected area thoroughly with soap and water for a minimum of 15 minutes.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

WARRANTY AND DISCLAIMERS

The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.