



EUCLID CHEMICAL

TAMOSEAL

CEMENT-BASED WATERPROOFING TREATMENT

DESCRIPTION

TAMOSEAL is a cement-based, polymer-modified slurry designed to waterproof concrete and masonry. When mixed with acrylic polymer, it becomes suitable to seal vertical and light duty horizontal surfaces.

PRIMARY APPLICATIONS

- Concrete and block wall foundations
- Manholes
- Water tanks
- Reservoirs
- Balconies

FEATURES/BENEFITS

- Waterproofs and decorates
- Tenacious bond
- Becomes an integral part of substrate
- Durable
- Breathable
- Slightly flexible to seal static crack

TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 25°C, 50% RH

Property	Test Method	Values at 25° C
Component	-	Three (Powder: Liquid: Water)
Colour	-	Gray
Mixed Density	-	1.90 ± 0.05 kg/L
Workability	-	45 – 60 minutes
Bond Strength	ASTM D4541	> 1.0 MPa (Concrete Failure)
Water Permeability @ 5 Bar	DIN 1048	Nil
Tensile Strength	ASTM D638	> 1.5 MPa

Values presented are typical and not necessarily referenced to create specifications.

PACKAGING

TAMOSEAL powder Part A is packaged in 18 kg Kraft Bag and Tamoseal Liquid 3 kg Packed in HDPE Can.

SHELF LIFE

12 months in original, unopened package

COVERAGE/YIELD

Under normal waterproofing conditions, apply the TAMOSEAL base coat at 1.95 kg /m² for 1mm thickness. For situations with Hydrostatic head of above 1 meter recommended to apply Tamoseal at 2mm thickness.

Note: Actual coverage will depend on texture and porosity of the substrate.

DIRECTIONS FOR USE

Surface Preparation: New concrete and masonry must be cured 7 days before application of TAMOSEAL. The surface must be structurally sound, clean and free of dirt, oil, and other contaminants. Abrade the surface to provide an absorptive surface. Repair all surface defects including cracks and voids. Allow patches and other surface preparations to cure for 24 hours. Saturate surface dry (SSD) the substrate with potable water prior to TAMOSEAL application.

Mixing: TAMOSEAL must be mechanically mixed using a slow speed motor and mixing blade to thoroughly disperse the ingredients. Do not aerate the mix.

One 18 kg Bag of Tamoseal requires 3 kg of Tamoseal Liquid and blended with 3 kg of Portable water.

Pour approximately one half of the required mixing liquid into an empty, clean container and begin slow speed mixing. Slowly add TAMOSEAL and the remainder of the mixing liquid as needed to the mixture. Stop mixing and allow the mixture to "fatten" for ten minutes. Re-mix to achieve proper consistency. Use mixed TAMOSEAL within one hour.

Application: Saturate surface dry (SSD) the substrate with potable water before starting any TAMOSEAL application.

Hand Brush: Apply TAMOSEAL using a 150mm masonry brush. Load bristles with TAMOSEAL and apply a heavy coat using long, smooth horizontal strokes. Apply sufficient material to fill all voids. Final strokes should all be in one direction to produce an even texture and finish. Allow first coat to dry for 12 to 24 hours before applying a finish coat.

Spray: Use heavy-duty spray equipment capable of spraying cement coatings or mastics.

Note: Prior to application, it is recommended that a mock up or field sample be made containing all materials that will be coated. Obtain approval of the architect or owner for the final color, texture and coverage rate before proceeding with work. Retain approved sample until the project is completed.

CLEAN-UP

Clean tools and mixing equipment with water immediately after use.

PRECAUTIONS / LIMITATIONS

- Do not apply to frozen or frost filled surfaces or when temperature is expected to fall below 4°C in the 24-hour period following application.
- Do not use moderate to heavy traffic bearing surfaces.
- Do not fill open cisterns, tanks, etc. with water for at least 7 days.
- Colors may chalk or show water marks after weathering.
- TAMOSEAL should not be applied to surfaces actively leaking.
- In all cases, refer to the Safety Data Sheet before use.

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