



TAMOSEAL-IN

CEMENT-BASED WATERPROOFING TREATMENT

WATERPROOFING & DAMPROOFING

TAMOSEAL-IN

Rev-01/18

DESCRIPTION

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

PRIMARY APPLICATIONS

- Concrete and block wall foundations
- Manholes
- Water tanks
- Reservoirs
- Balconies
- Interior/exterior

FEATURES/BENEFITS

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

TECHNICAL INFORMATION

Material Properties @ 24°C, 50% RH	Water Permeance ASTM E 514 (after coating leaking wall)
Compressive Strength, MPa ASTM C 109	Extent of damp area: 72 hours.....0.0%
7 days.....31.0	Maximum leakage: 1 hour.....none
28 days.....44.1	Leakage rate ml/hr.....none
Flexural Strength, MPa ASTM C 348	Permeance rating.....Excellent
7 days.....2.4	Salt Spray Resistance 300 hour exposure at 5% solution at 32°C resulted in no adhesion loss or deterioration at completion of test.
28 days.....5.6	Fungus Growth Resistance Fed Test 141, Method 6272.....Resistant
Tensile Strength, MPa ASTM C 190	Resistance to Wind Driven Rain
7 days.....2.3	Fed. Spec TT-C-00555Excellent
28 days.....2.7	Weatherometer ASTM G 96 6000 hours
Absorption, % ASTM C 67	No crazing, cracking, chipping, flaking, light chalking or color change. No other deterioration.
24 hour soak.....4.4%	
5 hour boil.....3.9%	
Freeze-Thaw Resistance, % ASTM C 672	
Loss at 50 cycles.....1.20%	
Durability Factor ASTM C 666	
After 300 cycles.....101.0	
Working Time.....1 hour	

PACKAGING

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

SHELF LIFE

1 year in original, unopened package

COVERAGE

Under normal waterproofing conditions, apply the TAMOSEAL base coat at 1.08 kg/m², which equals 19.44 m²/21 kg kit. Add a finish coat at 0.5 kg/m², which equals 42 m²/ 21kg bag. The total thickness of the two coats 1 will be approximately 1.6 to 3.22 mm. Note: Coverage rates are approximate and will depend on the 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. Push Broom: Use a 20 L or wide mouth tub to hold TAMOSEAL. Dip a 25 cm hard-bristle push broom into the TAMOSEAL and mix just enough to load the bristles. Apply a heavy coat using long, even horizontal strokes. Apply sufficient material to fill all voids. Lift the brush at the end of each stroke. Final strokes should all be in one direction to produce an even texture and finish. Do not overbrush. 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.

Horizontal Applications: Use a water-based cure and seal from Euclid Chemical on all horizontal applications for added protection and ease of cleaning.

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 mixing and application equipment with water immediately after use. Clean any splatter or spills with water before material sets. TAMOSEAL is a cementitious product containing an acrylic additive, and if allowed to dry on the surface, removal becomes extremely difficult.

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 on moderate to heavy traffic bearing surfaces.
- Do not fill open cisterns, tanks, etc. with water for at least 7 days.
- Some colors may chalk or show water marks after weathering.
- When using TAMOSEAL containing Tamoseal Liquid in enclosed tanks or reservoirs, make sure that adequate ventilation is available during the application and the total curing period.
- Not recommended for negative side waterproofing where hydrostatic pressures exceed 2.4 m water head.
- TAMOSEAL should not be applied to surfaces actively leaking.
- In all cases, read the Safety Data Sheet before use.

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