



EUCLID CHEMICAL

TAMOSEAL FLEX

ELASTOMERIC CEMENT BASED WATERPROOFING TREATMENT

WATERPROOFING

DESCRIPTION

TAMOSEAL FLEX is a two-component cement-based, polymer-modified elastomeric coating designed to waterproof concrete and masonry with inherent crack-bridging ability. When mixed with TAMOSEAL FLEX 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
- Flexible to seal crack
- Long working life
- Potable water excluding structures

TECHNICAL INFORMATION

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

Property	Test Method	Values at 25° C
Component	-	Two (Powder: Liquid)
Colour	-	Gray / White
Mixed Density	-	1.85 ± 0.05 kg/L
Workability	-	45 – 60 minutes
Bond Strength	ASTM D4541	> 1.5 MPa
Water Permeability @ 7 Bar	DIN 1048	Nil
Tensile Strength	ASTM D638	> 1.5 MPa
Crack Accommodation	ASTM C836	> 1mm
Elongation	ASTM D638	~ 40 to 50%

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

PACKAGING

TAMOSEAL FLEX powder Part A is packaged in 18 kg Kraft Bag and Liquid 5 kg Packed in HDPE Can.

SHELF LIFE

12 months in original, unopened package

COVERAGE/YIELD

Brush / Roller / Trowel Application	10.5 - 11.5 m ² per pack (18kg + 5kg)
Spray Application	9.0 – 11.0 m ² per pack (18kg + 5kg)

Note: A minimum coverage of 3.7 – 4.0 kg/m² applied in 2 coats is recommended.

DIRECTIONS FOR USE

Surface Preparation: New concrete and masonry must be cured 7 days before application of TAMOSEAL FLEX. 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 FLEX application.

Mixing: The TAMOSEAL FLEX Liquid 5 kg is poured from the plastic container into a plastic or metal drum having a volume of at least 20 litres. To this, the TAMOSEAL FLEX powder is gradually added whilst mixing with a spiral paddle attachment on a slow speed drill. Mixing is continued until lump free slurry is obtained. This should take a minimum of 3 minutes and maximum of 5 minutes.

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

Hand Brush: Apply TAMOSEAL FLEX using a 15 cm masonry brush. Load bristles with TAMOSEAL FLEX 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.

CLEAN-UP

Clean mixing and application equipment with water immediately after use. Clean any splatter or spills with water before material sets. TAMOSEAL FLEX 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 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.
- Do not proceed with application when rainfall is imminent unless in a sheltered or protected location. The product should not be exposed to moving water during application
- TAMOSEAL FLEX should not be applied to surfaces actively leaking.
- TAMOSEAL FLEX should not be used on external surfaces where aesthetic appearance is critical as differences in cure/ drying rate may cause slight colour differences in the final surface
- In all cases, refer to the Safety Data Sheet before use.

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