



EUCLID CHEMICAL

# TAMOSEAL FLEX

## ELASTOMERIC CEMENT BASED WATERPROOFING TREATMENT

### 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
- Interior/ exterior

### FEATURES/ BENEFITS

- Waterproofs and decorates
- Tenacious bond
- Becomes an integral part of substrate
- Withstands high positive and negative hydrostatic pressures
- Potable water retaining structures
- Durable
- Breathable
- Flexible to seal cracks
- Long working life
- Potable water excluding Structures

### TECHNICAL INFORMATION

| Properties                         | Value                         |
|------------------------------------|-------------------------------|
| Pot life at 20°C                   | 2 hours                       |
| Pot life at 35°C                   | 1 hour                        |
| Colour                             | Grey or White                 |
| Mixed Density                      | 1850 - 1900 kg/m <sup>3</sup> |
| Bond Strength (ASTM D4541)         | >1.5MPa                       |
| Water Permeability Test (DIN 1048) | 7 bars                        |
| Water Absorption (ASTM C67)        | 3 bars                        |
| Tensile Strength (ASTM D638)       | >1.5MPa                       |
| Crack Accommodation (ASTM C836)    | >1mm                          |
| Elongation                         | ~ 40% to 50%                  |

**NOTE 1:** TAMOSEAL FLEX will bridge existing cracks of up to 0.5 mm in width.

**Appearance:** TAMOSEAL FLEX is available in White and Grey.

WATERPROOFING

TAMOSEAL FLEX

## PACKAGING

TAMOSEAL FLEX 2 Component is packaged in 18 kg Powder in Craft bag and 5 kg TAMOSEAL FLEX Liquid packed in HDPE Jerry Can.

## SHELF LIFE

12 months in original, unopened package

## COVERAGE

|  |  |
|--|--|
| Brush, roller, trowel application..... | 10.5 - 11.5 m <sup>2</sup> per pack (18kg + 5kg) |
| Spray application .....                | 9.0 - 11.0 m <sup>2</sup> per pack (18kg + 5kg)  |

NOTE 1: A minimum coverage of 3.7 – 4.0 kg/m<sup>2</sup> applied in not less than 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.

**Push Broom:** Use a 20 L pail or wide mouth tub to hold TAMOSEAL FLEX. Dip a 25 cm tampico-bristle push broom into the TAMOSEAL FLEX 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. All the mixed material should be used within 2 hours at 20°C or 1 hour at 35°C.

**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.

## 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 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.
- 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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