



# TAMOSEAL FLEX

## CEMENTITIOUS FLEXIBLE WATERPROOFING PROTECTIVE COATING

WATERPROOFING

### DESCRIPTION

**TAMOSEAL FLEX** is a two part and polymer modified and flexible cementitious waterproofing coating. It is applied to concrete and mortar to prevent water infiltration in severe conditions. It is also enhances the ability of substrates to resist sulphate attack and limits carbon dioxide penetration.

### PRIMARY APPLICATIONS

- Terraces
- Balconies
- Car parks
- Water tanks
- Swimming pool and fountains
- Basements
- Retaining walls
- Bathroom floors

### FEATURES / BENEFITS

- Easily applied by brush or roller
- Good crack bridging ability
- Good adhesion to sound substrates
- Increased salt and frost resistance
- Decreased carbon dioxide penetration
- Non-corrosive to steel and iron

### TECHNICAL INFORMATION

#### Appearance: Part A:

White liquid

Part B : Grey powder

Part A + B (mixed): Grey slurry

**Adhesive Strength:** > 0.5 N/mm<sup>2</sup>

**Tensile Strength:** > 0.5 N/mm<sup>2</sup>

#### Resistance to Water Penetration:

No penetration at consumption

1kg/m<sup>2</sup> for 6 hours (DIN 1058 Part 5)

**Elongation at Break:** 170%

#### Hydrostatic Pressure Resistance Test for 1 hour:

The water penetration occurred through the samples at water pressure 10 psi or 68.9 kPa

TAMOSEAL FLEX

### PACKAGING

**TAMPSEAL FLEX** is packaged in 36 kg sets (Part A: 10 kg and Part B: 26 kg)

### SHELF LIFE

6 month from the date of production if stored properly in undamaged, unopened, original sealed packaging, in dry conditions at temperature between + 5°C and + 40°C. Protect from direct sunlight.

### COVERAGE

Minimum 2 coats at approximately 1.0 kg/m<sup>2</sup> per coat. For area subject to high water ingress, apply a third coat at 1.0 kg/m<sup>2</sup>.

**Note:** **TAMOSEAL FLEX** must be applied in minimum of 2 coats.

MASTER FORMAT #:  
07 16 13

## DIRECTIONS FOR USE

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**Substrate Quality:** Surface must be structurally sound and free of all traces of contaminants, loose and friable particles, cement laitance, sharp edges, oil and grease etc. Steel and iron surfaces must be clean, free from scale, rust, grease and oil. All surfaces must be as true and flat as possible.

**Substrate Preparation:** Absorbent surfaces must be thoroughly saturated with water prior to application of **TAMOSEAL FLEX**. However, no loose standing water should be on the surface before application.

**Mixing:** Under normal circumstances, when the full quantities of both components are mixed together, a creamy consistency will be achieved. Mix in a clean container by slowly adding the powder part to the liquid part and stirring with low-speed mixer.

**Application:** Whilst the substrate is still damp but free from standing water, apply the first coat by brush, roller or squeegee, working the materials well into the surface to achieve full bond. Allow 4 – 8 hours for the first coat to cure before applying the following coats.

For large areas, **TAMOSEAL FLEX** can be applied by spray using a suitable worm type mixer or pump. An additional stripe coat is recommended over cracks.

**Pot Life:** 30 minutes (at 30°C). Pot life will be shortened at high temperatures.

**Cleaning Tools:** Clean all the tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed.

**Curing:** Generally not required but precaution should be taken for applications done directly under sunlight and windy condition.

## PRECAUTIONS / LIMITATIONS

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- Do not use in moderate to heavy traffic bearing surfaces.
- When using **TAMOSEAL FLEX** 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 pressure exceed 2.4 m water head.
- **TAMOSEAL FLEX** should not be applied to actively leaking surfaces.

Rev: 30/06/20