

## TECHNICAL DATA SHEET

### **FLEXICRETE**

*Flexible Cementitious Waterproofing Membrane*

#### PRODUCT DESCRIPTION

**FLEXICRETE** is a two component, flexible cementitious waterproofing membrane. It consists of selected cement blend with well-graded fillers and synthetic resin.

It could be applied onto damp substrates by brush, roller or spray. **FLEXICRETE** is capable of bridging hairline cracks.

#### CUSTOMER BENEFITS

- Flexible, durable and weather resistant
- Excellent adhesion to most substrates
- Excellent waterproofing qualities – able to withstand high hydrostatic pressure
- Breathable membrane – permeable to water vapor and yet impermeable to water
- Bridge hairline cracks
- Non-toxic – suitable for use in waterproofing of potable water tanks
- Can be applied onto damp surface

#### RECOMMENDED FOR:

- Basement walls
- Reservoirs, sumps, concrete gutters, planter boxes, potable water tanks, culverts, canal, water retaining structures, etc.
- Swimming pools and features
- Kitchen and toilets
- Domes and concrete structures
- Roof deck and balconies
- Fire walls
- Canopies

#### METHOD OF APPLICATION SURFACE PREPARATION

The substrates must be clean and sound, free of dust and loose particles. Cement laitance, oil, grease, mold release agents must be removed from concrete surfaces by wire brushing, scabbling or by other means. Dampen the substrates prior to application.

It is recommended that a cement and sand fillet be formed at all corners to receive the waterproofing membrane.

Prior to the application of the waterproofing membrane, dampen the substrate with water while ensuring that no free water is present on the surface.

#### MIXING INSTRUCTIONS

##### Mixing ratio

Pour Part A (liquid) into a clean container. Slowly add Part B (powder) into the container and mix with a slow speed mechanical mixer until homogeneous and lump free. Allow the mix to stand for 5 minutes and re-stir manually before use.

#### APPLICATION

For best results, damp the surface before coating with **FLEXICRETE**.

For horizontal and vertical surfaces, a roller and/or paint brush, may be used to apply the slurry. Care must be taken to ensure that air is not entrapped in the membrane.

Apply the 1<sup>st</sup> coat and work generously to fill all the pores and honeycombs. Allow the membrane to dry approximately 2 to 3 hours prior to application of the second coat. The 2<sup>nd</sup> coat must be applied crosswise.

After applying the 2<sup>nd</sup> coat of waterproofing membrane, allow a minimum curing time interval of 15 – 72 hours before laying the screed and commencing ponding test. Should ponding test exceed 4 hours, a minimum curing time interval of 72 hours is recommended.

Concrete topping is recommended for exposed areas subject to regular traffic.

#### PHYSICAL PROPERTIES

Pot life at 30 °C : Approximately 1 hour

Tack free time : Approximately 2 hours depending on temperature and humidity

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**COVERAGE**

The coverage rate of **FLEXICRETE**:

-1.2 kg/m<sup>2</sup> for 2 coats application to obtain 0.50mm thickness

-2.4 kg/m<sup>2</sup> for 2 coats application to obtain approximately 1.0mm thickness depending on site conditions.

**Note:** Coverage figures are theoretical and due to wastage factors and the nature of possible substrates, practical coverage will be reduced.

**PACKAGING**

**FLEXICRETE** is available in 18kg-set in a pail.

**STORAGE**

The shelf life of **FLEXICRETE** is 12 months when stored unopened in a cool and dry place.

**HEALTH AND SAFETY**

**FLEXICRETE** should be treated with care. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water.

**FIRE**

**FLEXICRETE** is non-flammable.