

## APPLICATION OF XYPEX CONCENTRATE AND XYPEX MEGAMIX I

(TO BE READ IN CONJUNCTION WITH PRODUCT DATA SHEETS)

### PRODUCTS

Xypex Concentrate

Xypex Megamix I

Xypex Xycrylic Admix



### GENERAL:

This method statement details the products and procedures for the application of **Xypex Concentrate** with **Xypex Megamix I** as a two coat system.

### SURFACE PREPARATION:

Concrete surfaces to be treated must be clean and free of laitance, dirt, film, paint or other foreign matter. Surfaces must have an open capillary system to provide “tooth and suction”.

Methods to achieve the required surface condition would normally include but not be limited to, grit blasting, shot blasting, water blasting, grinding or acid etching.

Xypex requires a Saturated Substrate and Damp surface (SSD). Concrete surfaces must be thoroughly saturated with clean water prior to the application. Remove excess surface water before the application. If concrete surface dries out before application, it must be re-wetted.

### APPLICATION:

1. **Xypex Concentrate** can be applied with either a semi-stiff bristle brush, broom or suitable spray equipment.

### MIXING:

2. For brush or broom application, mix **Xypex Concentrate**, five (5) parts powder to two (2) parts clean water (by volume). Mix until a lump free, creamy mixture is attained. If mix starts to harden do not add water, agitate until the slurry reforms.
3. For spray application, mix **Xypex Concentrate**, five (5) parts powder to three (3) parts clean water (by volume). Mix until a lump free, creamy mixture is attained. If mix starts to harden do not add water, agitate until the slurry reforms.

**Note:** Water quality can vary and will require an adjustment to the quantity of water required to attain the desired properties of the mixture.

Do not mix more **Xypex Concentrate** than can be applied within 20 minutes.

### APPLICATION:

4. Application rate for **Xypex Concentrate** coating must be in the range of **0.65 to 0.8 kg/m<sup>2</sup>**. The coating must be uniformly applied and approximately 1.25mm thick.

**Note:** The **Xypex Concentrate** coating must be cured with a mist spray of water two or three times within a 24 hour period or until the **Xypex Megamix I** is applied.

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## Application of Xypex Megamix I over the Xypex Concentrate

The **Xypex Megamix I** must not be applied until the **Xypex Concentrate** has reached initial set, and should be applied within 24 hours of the application of the **Xypex Concentrate**.

**Xypex Megamix I** can be applied by brush or trowel.

### APPLICATION XYPEX MEGAMIX I

5. Mix **Xypex Xycrylic Admix**, one (1) part liquid to two (2) parts clean water (by volume).
6. Add **Xypex Megamix I** to the prepared liquid at a rate not exceeding 4.0 litres of the liquid, per 20 kg of **Xypex Megamix I** powder. Mix thoroughly to a creamy consistency. Allow to stand for three to five minutes (refer to note regarding temperature) and then re-agitate.
7. If the **Xypex Concentrate** coating is drying before **Xypex Megamix I** is applied then the **Xypex Concentrate** should be mist cured with clean water.
8. The required coating thickness will vary depending on project requirements.

The application rate for **Xypex Megamix I**, when applied for non-waterproofing purposes, must be not less than 1.6mm thick (approximately 2.9kg/m<sup>2</sup>).

In circumstances where the coating of **Xypex Megamix I** is for waterproofing purposes, the coating must be not less than 4.0 mm thick (approximately 7.3 kg/m<sup>2</sup>).

Generally the coating thickness of **Xypex Megamix I** should not exceed 10mm thick (approximately 20kg/m<sup>2</sup>)

**Note:** Set time of **Xypex Megamix I** is affected by temperature. When ambient temperature exceeds 30°C, it is recommended that the mixing liquid be chilled so that the mixed temperature of the **Xypex Megamix I** does not exceed 21°C. Do not apply **Xypex Megamix I** below 4°C.

### Curing:

9. Under normal conditions **Xypex Megamix I** does not require curing, however in rapid drying conditions, a mist spray of clean water should be applied two or three times for one day.

### Backfilling:

Where the coating has been applied to an external face of a wall, do not back fill for 36 hours. Protect the coating from coarse backfilling material and place the backfilling material with care.

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