

## Method Statement

### XYPEX Concentrate & XYPEX Modified slurry coat system

#### Preparation

- Concrete surfaces to be treated shall have an open capillary system and shall be free from other waterproofing material, scale, excess form oil, laitance, curing compounds and foreign matter to yield sound parent concrete.
- The optimal methodology generally for surface preparation is high pressure water blasting (250 bar pressure). Pressure wash from the top of the structure downwards.
- Concrete surfaces must be thoroughly saturated with potable water prior to application in order to achieve a saturated surface dry condition. Remove free surface water.
- Inspect for any concrete defects and repair if necessary.
- In hot, dry and windy conditions, spray apply XYPEX Gamma Cure to prepared saturated surface dry concrete (as above) before application of XYPEX Concentrate slurry coat. (This will further accelerate the crystallisation process.)
- Apply **XYPEX Concentrate** slurry at 0.8kg/m<sup>2</sup>. Apply using a semi-stiff nylon bristle block brush, push broom (for large horizontal surfaces) or spray equipment to achieve a reasonable uniform wet film thickness approx. 1mm.
- Apply **XYPEX Modified** slurry at 0.8kg/m<sup>2</sup> after the XYPEX Concentrate coat has reached initial set but while it is still 'green' (after 2 to 3 hours and less than 48 hours). Light pre-watering between coats may be required due to drying. Apply using a semi-stiff nylon bristle block brush, push broom (for large horizontal surfaces) or spray equipment to achieve a reasonable uniform wet film thickness approx. 1mm.
- Cure by regular light mist spray for minimum 48hrs using potable water, beginning as soon as the XYPEX has set to the point where it will not be damaged by a spray of water. In hot weather spraying can be applied during daytime every 2hrs or as frequently as drying conditions dictate.
- XYPEX Gamma Cure may be used in lieu of moist curing where this is not possible. Spray apply the coating has reached initial set; approx 1 hour.
- Protect from rainfall, puddling of water, wind & frost for at least 48hrs after application. If plastic sheeting is used as protection, it must be raised off the XYPEX to allow the coating to breathe.
- Please also refer to Pgs 69-74 of the Xypex Specification & Application Manual and to the respective Data Sheets.

#### Mixing

- Measure Concentrate & Modified dry powder by volume and place in a mixing container. Measure clean water and mix this into the dry powder with a paddle on a slow speed drill - or with other equipment that ensures adequate mixing. Ensure thorough mixing and no clumping. Mix to a creamy consistency. Don't add extra water.
- Mix XYPEX Concentrate & Modified in quantities that can be **applied within 20 minutes**. As mixture thickens, stir frequently, but do not add additional water.

Mixing for **XYPEX Concentrate SLURRY COAT** application  
**5 parts XYPEX Concentrate powder to 2 parts water BY VOLUME**  
TO A CREAMY CONSISTENCY

Mixing for **XYPEX Modified SLURRY COAT** application  
**5 parts XYPEX Modified powder to 2 parts water BY VOLUME**  
TO A CREAMY CONSISTENCY