



METHOD STATEMENT

XYPEX CONCENTRATE AND XYPEX MODIFIED COATING SYSTEM FOR FINE CRACK REPAIR

To be read in conjunction with Product Data Sheets

GENERAL:

This method Statement details the products and procedures to seal fine cracks (< 0.4mm) in concrete structures, to provide protection to the reinforcement from aggressive environments.

PRODUCTS:

XYPEX Concentrate
XYPEX Modified
XYPEX Gamma Cure

SURFACE PREPARATION:

Smooth Surfaces (e.g. where steel forms are used) or surfaces covered with excess form oil or other contaminants shall be washed, lightly sand blasted, waterblasted, or acid etched with muriatic acid as necessary to provide a clean absorbent surface, surfaces to be acid etched shall be saturated with water prior to the application of the acid and all acid residue thoroughly rinsed from the concrete surface after etching. An area of approximately 150mm over the fine cracks should be prepared.

REPAIR OF OTHER DEFECTS:

All other surface defects shall be repaired in accordance with manufacturer's instructions. Defects include, but are not limited to, tie bolt holes, construction joints, cracks (> 0.4mm), rock pockets or honeycombing and other defective concrete. Refer to application and specification manual for specific directions in relation to repair methods.

APPLICATION:

Step 1. Ensure the concrete is saturated with water, Xypex requires a saturated substrate and damp surface.

Step 2. Surface Application: Apply Xypex Concentrate uniformly to concrete surfaces with semi-stiff bristle brush or broom, or suitable spray equipment, ensuring the material is worked into the fine cracks. Application rates and locations shall be as indicated in the drawings and in accordance with manufacturer's product data.

Note: Xypex Gamma Cure, used to accelerate the crystalline process, shall be diluted one part Xypex Gamma Cure to 3 parts clean water and applied as a fine spray to the concrete surface prior to the application of the Xypex Concentrate.

Step 3. Apply Xypex Modified, as a second coat, uniformly to the concrete surfaces, using the same technique as for the Xypex Concentrate. This application should be after the initial coat has reached initial set but while it is still "green". Application rates shall be in accordance with the manufacturer's product data.

Note: Light pre watering may be required between coats.

CURING:

A misty fog spray of clean water must be used for curing the Xypex treatment. Curing should begin as soon as the Xypex has set to the point where it will not be damaged by a fine spray of water. Under normal conditions, it is sufficient to spray Xypex treated surfaces three times per day for two to three days. In harsh conditions, protect the Xypex treatment for a minimum of 48 hours. Xypex Gamma Cure may be used as an alternative to water curing under certain conditions. Consult with Xypex Australia Technical Department or your local Xypex Representative.