

XYPEX[®]

AUSTRALIA

METHOD STATEMENT

Expansion joint treatment

To be read in conjunction with Xypex Product Data Sheets.

GENERAL:

This procedure is designed for a moving joint, Xypex products are installed to prevent moisture ingress from negative pressure and provide a passive alkaline environment for the reinforcement.

PRODUCTS:

Xypex Gamma cure

Xypex Concentrate

Polyurethane sealant [Sonolastic Ultra]

PREPARATION:

Form a rout along the entire length of the joint, or construction joint to approximately 20mm wide by 37mm deep. The rout should be preferably dove tail, square or as close to a "U" shape as practical. A "V" shaped rout is not acceptable. Thoroughly clean the rout of all dust, dirt and loose material preferable with a minimum 2500 psi pressure washer to saturate the concrete with moisture. Remove all excess pooled surface water prior to product application.

APPLICATION:

1. Mix and Apply Xypex **Gamma Cure** diluted one part Xypex Gamma Cure to 3 parts clean water and spray this onto the base of the rout as a pre-wetting agent immediately prior to the application of the Xypex Concentrate. This application will increase the chemical activity at the surface of the concrete and assist in accelerating the crystalline process.
2. Mix **Xypex Concentrate** five (5) parts powder to two (2.5) parts clean water into a slurry and apply to the base of the rout by brush, at a coverage of 1.0 per M².
3. While the Xypex Concentrate slurry is still tacky, mix Xypex Concentrate, six (6) parts powder, to one (1) part clean water, as a dry pack and compress into the rout with a hammer and block or pneumatic packing device to approximately 25mm.
4. Apply a fine mist spray of water to seal the surface of the dry pack and ensure rout edges are clean.
5. Install a bond breaking tape; ensuring adhesion is restricted to rout edges only, allowing greater Elastomeric movement.
6. Prime rout edges with the recommended primer prior to installing the polyurethane sealant. Sealant should be slightly chamfered allowing for substrate expansion and contraction.
7. Air Cured –**Sonolastic** curing varies due to temperature and humidity, refer manufactures recommendations.

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