



METHOD STATEMENT

Repairs to Cracks and Faulty Construction Joints – Where a flow of water is present. To be read in conjunction with Xypex Product Data Sheets.

GENERAL:

This Method Statement details the products and procedures to waterproof cracks or faulty concrete construction joints, in particular, where a flow of water is present.

PRODUCTS:

Xypex Concentrate
Xypex Patch'n Plug
Xypex Gamma Cure

PREPARATION:

Form a rout along the entire length of the crack or construction joint to approximately 25mm wide by approximately 37mm deep. If the joint is a floor wall joint, ensure the rout intersects both the floor and the wall sections of the concrete. The rout should be preferably dovetail, **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 and saturate the concrete with moisture.

APPLICATION:

It is important to stop the flow of water prior to installing the Xypex Crystalline Materials.

1. Mix Xypex Patch'n Plug three and a half (3.5) parts powder to one (1) part clean water into a stiff putty. Apply Xypex Patch'n Plug to half the depth of the prepared rout immediately after removing the surface water. Patch'n Plug should be applied to the full length of the crack or joint.
 - Hold in place by hand, while the material sets, and stops the flow of water.
 - Where there is high hydrostatic pressure forcing water through the crack or joint, carry out the preparation as above; mix the Xypex Patch'n Plug as above and form plugs, by rolling the putty in gloved hands, to approximately the size of the rout. Allow the plugs to harden, minimum 30 minutes, and compress into the base of the rout with a hammer and block until the water flow stops.
2. Mix Xypex Concentrate five (5) parts powder to two (2) parts clean water into a slurry and apply to the base of the rout, at a coverage of 0.8kg per M² over the Patch'n Plug.
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 pac and compress into the rout with a hammer and block or pneumatic packing device.
4. Apply a fine mist spray of water to seal the surface of the dry pac.
5. Mix Xypex Patch'n Plug, as above, into a stiff putty, and apply to return the rout to contour. Allow a minimum of one hour to set.
6. Mix Xypex Concentrate, as above, into a slurry and apply over the repaired area at the rate of 0.8kg per M².
7. Cure by fog spraying periodically with water for two days or apply Xypex Gamma Cure immediately after the slurry coat has set.

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