

## CONCENTRATE / PATCH'N PLUG BLENDS - REPAIR MORTAR

### Instructions for Xypex Concentrate and Patch'n Plug Blends for Waterproofing Repairs

2018-11

Many Xypex repair procedures call for the use of Xypex Concentrate in a Dry-Pac form to be installed into a chipped or cut slot. Xypex Concentrate Dry-Pac consists of one part water to six parts Xypex Concentrate powder and creates a material that is quite dry and powdery such that it will hold together when squeezed tightly but is not a mortar or fluid consistency. This material can be difficult to place into hard to reach or overhead repairs.

Xypex Patch'n Plug in mortar consistency is typically an acceptable alternative and produces good results. Xypex Concentrate alone should not be made to a mortar consistency as it can shrink, crack and fall out of installations as it dries. Xypex Patch'n Plug is very fast setting and an extension in its working time is often desirable. Further, increasing the Xypex chemistry beyond what is in pure Patch'n Plug can be beneficial in accelerating healing in and around the repair area.

Field experience and lab testing have indicated that blending Xypex Concentrate and Xypex Patch'n Plug in dry powder and then mixing to a mortar can be used to replace Xypex Concentrate in Dry-Pac form. This mix will produce excellent waterproofing results while providing a longer pot life / workable mortar.

The steps would be as follows:

**Step 1:** Blend the dry Xypex Concentrate powder with the dry Xypex Patch'n Plug powder in a quantity that can be used within 10 minutes. Common blend proportions are:

- a. 3 parts Concentrate to 1 part Patch'n Plug
- b. 2 parts Concentrate to 2 parts Patch'n Plug
- c. 1 part Concentrate to 3 parts Patch'n Plug

Note: Each blend ratio has unique characteristics and installers will find what works best for themselves in different applications.

**Step 2:** Mix the blended powder in the proportions 4 parts powder with 1 to 1.25 parts water to produce a workable mortar consistency.

**Step 3:** Mortar will stiffen within several minutes. Break stiffened mortar up and rework it in the hand until it again becomes workable. Mortar may be reworked for up to 10 minutes. Do not add additional water to the stiffened mix as it is not required and will degrade the final mortar.

