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BELOW GRADE PROTOCOL FOR FASWALL INSTALLATION:

We suggest the following steps for treating Faswall in below grade applications. The goal is to effectively stop water transmission but allow for water vapor permeability through the wall forms:

1. Apply a scratch coat of 3 parts sand to one part Portland cement directly to Faswall
2. Apply a coating of Xypex (www.xypex.com) or Thoroseal
3. Apply a dimple shield membrane (Ex; MiraDrain)
4. In some soil conditions builders use both a dimple shield membrane and a crushed stone barrier between the earth and the wall of the building (16" to 24" out from the wall).

Wicking Preventative Measures:

Moisture can move from a buildings footing into the cores of Faswall block through a process known as wicking. In order to prevent wicking from happening, there are several products on the market designed to create a capillary break in the footing. One example of this is the C500 admixture made by Xypex; it can be added to the cement in a redi-mix truck, providing a crystalline structure to the concrete to prevent moisture movement through the footing. It can also be added to the top of the wet footing concrete being poured (www.xypex.com).

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