

Block Walls - Waterproofing Guidelines

Preparation

- All footers should be swept and clean of excess debris. If excess mortar has accumulated on footer during erection of wall it is not necessary to remove it provided it does not interfere with the drain tile (footing drain) by raising it above the level of the inside basement floor, and it is permanently bonded to the footer such that the footer can be sprayed out beyond the build-up of mortar.
- Voids in mortar joints and chipped blocks should be filled with non-shrink grout.
- Brick ledges should be terminated in with a cap block. If they are not, it will be necessary to address this area. One technique is to pre-cut a self-adhesive sheet good (i.e. Miradri) to a width of 8-inches. Apply this over the top of the brick ledge with one side rising up the wall from the ledge about 1-inch, and the other side down the wall from the ledge about 1-inch. This is done before spraying the wall and/or ledge.
- Cold joints are treated by applying a coat of ECOLINE-R at the joint and 3-inches on each side. Then embed a reinforcing fabric (polyester or polypropylene) in it, with another coat of ECOLINE-R being applied over it prior to spraying the wall.
- Penetrations should be treated in a 6-inch radius around penetration and 3-inches onto penetration object with a coat of ECOLINE-R. A reinforcing fabric should be embedded into the first coat of ECOLINE-R and a second coat applied over the fabric.

Spraying

- When spraying a block wall that has not been pargeted, it is recommended to cut the catalyst water spray back to a level that just gives you a spray pattern. This will aid in the filling of the pores in the block.
- General spraying guidelines should be followed. Build to a minimum of 60 mils on non-pargeted walls and a minimum of 40 mils on pargeted walls for residential waterproofing. (Ecoshield or Ecodrain-E are recommended as a protection course)
- Build to the specified mils for commercial waterproofing application.
- Recommended spraying pressure range: 800 to 1200 psi.