

# Installation Guidelines

## Shower Receptor (B415)

**SUBSTRATE: Wood or Concrete****UNDERLAYMENT: Cementitious Backer/ Fiber Cement****SETTING: Dry-Set Mortar or Latex-Portland Cement Mortar**

- Use this method in showers over dry, well-braced wood studs, furring or metal studs.
- Note that handicapped showers will require a slope from entry of shower to drain. The minimum distance between the door, or entry, to the drain opening shall be 4'0".
- Cut a hole for the drain into the sub floor. Disassemble the shower drain.
- Lay the shower base drain in the opening so that the flange of the drain rests on top of the sub floor.
- Solvent weld the drain base to the drain pipe using the appropriate solvent cement.
- Cover the drain base opening with duct tape to prevent mortar from entering.
- Apply Portland sand/cement mortar bed over the sub floor at ¼" per foot slope from the wall framing the top of, but not over the drain base.
- The mortar bed should be flush with the top of the drain base.
- Allow to dry and cure.
- Cut enough pan liner to cover shower bed and go up walls minimum of 3".
- Apply a ¼" to 3/8" bead of silicone caulk around the upper surface of the drain base.
- Screw the clamping ring bolts into the drain base 2-3 threads deep.
- Lay previously cut pan liner on the shower floor.
- Cut slits where the pan liner will have to go over the bolts.
- Press the pan liner from the drain out to the side walls where it will go up a minimum of 3".
- Follow manufacturer's guidelines on whether to use an adhesive with the pan liner.
- Nail the pan liner into the cement board on the wall ½" below the upper edge of the material.
- Locate the drain hole and cut the pan liner according to this dimension.
- Place the clamping ring over the bolts and slide the ring counter clockwise so that it's locked in place.
- Make sure there is no debris covering the weep holes.
- Water test the installation. Allow water to set for 4 hours, watching for any signs of leaks. Repair if necessary, repeat and drain.
- Install cementitious backer board adhering to method W244C approximately 1" above liner.
- Determine the finished height of the shower floor.
- Thread the drain barrel inside of the clamping ring thread, so that the drain barrel is flush with the top of the floor.
- Place pea gravel over the weep holes of the drain, as not to obstruct them with mortar.
- Lay 1" – 1 ½" mortar bed over the pan liner from the wall to the drain.
- Allow to cure and dry according to manufacturer's label.
- Shower pan to be approved by local authority having jurisdiction before setting of tile.
- Apply a thin layer dry-set mortar, latex-portland mortar or thin-set to shower bed.
- Apply the tile making sure that at least 95% of the tile is touching the bed.
- Allow the floor to cure according to the manufacturer's label of cement used.
- Choose the grout appropriate for the installed tile.
- Dry and clean according to manufacturer's directions of grout.

**SUGGESTED MATERIALS:**

- Cementitious backer units: ANSI A118.9 or ASTM C1325 (Type B).
- Fiber Cement underlayment: ASTM C1288.
- 2" alkali-resistant glass fiber mesh tape.
- Dry-set mortar: ANSI A118.1.
- Latex-Portland cement mortar: ANSI A118.4.
- Grout: ANSI A118.6 or A118.7.
- Metal studs: ASTM C645.
- Wall Membrane: ANSI A108.02-3.8.

## **PREPARATION BY OTHER TRADES:**

- Studs to be square and plumb.
- 1/8" spacing at horizontal joint of backer units to be filled using mortar.
- 2" alkali-resistant glass fiber mesh tape in bed of mortar over joints.
- Apply blocking between studs to support the shower pan.
- Shower pan to be installed per ANSI A108.01-3.6.
- Test shower for leaks and drainage before tile installation.
- Cover weep holes with crushed stone to prevent mortar from entering.

## **INSTALLATION SPECIFICATIONS:**

- Fiber cement underlayment: per manufacturer's instructions.
- Cementitious backer units: ANSI A108.11.
- Tile: ANSI A108.5.
- Grout: ANSI A108.10.