

COMPOTITE**EPS FOAM
SHOWER PAN****STEP-BY-STEP INSTRUCTIONS FOR INSTALLING
AN EPS SHOWER PAN WITH WATERPROOFING**

This guide provides detailed steps for professional tile installers to install an Expanded Polystyrene (EPS) shower pan for waterproofing. The shower pan is designed for proper slope and drainage, and the installation includes thin-set mortar, a waterproofing sheet membrane or liquid membrane, and Compotite Elastiseal Pro for joints, corners, and seams.

**MATERIALS AND TOOLS REQUIRED**

- ◇ EPS shower pan
- ◇ Thin-set mortar (ANSI A118.4 or A118.15 compliant)
- ◇ Waterproofing sheet membrane or liquid membrane
- ◇ Compotite Elastiseal Pro
- ◇ Seam tape (if using sheet membrane)
- ◇ Drain assembly (compatible with shower pan)
- ◇ Notched trowel (1/4" x 3/8" or as specified)
- ◇ Straight edge or level
- ◇ Utility knife
- ◇ Rubber roller or flat trowel
- ◇ Measuring tape
- ◇ Mixing bucket and drill with mixing paddle
- ◇ Clean sponge and bucket of water

PREPARATION**1. SUBSTRATE INSPECTION AND PREPARATION ENSURING
THE SUBSTRATE IS:**

- ◇ Clean, flat, and structurally sound.
- ◇ Free of grease, dust, loose particles, and moisture.

2. VERIFY SUBSTRATE SUITABILITY

- ◇ Concrete: Ensure it is level and properly cured.
- ◇ Plywood or OSB: Use only exterior-grade plywood or OSB. Apply a primer if specified by the waterproofing manufacturer.
- ◇ Cement Board: Secure it properly to the floor, ensuring a flat surface.

3. CHECK FOR LEVEL AND SLOPE REQUIREMENTS

- ◇ Ensure the substrate is level before installing the shower pan.
- ◇ Verify that the EPS pan has the correct slope toward the drain (typically a minimum of 1/4" per foot).

INSTALLATION PROCESS

1. DRY FIT THE EPS SHOWER PAN

- ◇ Place the shower pan onto the prepared substrate to ensure proper fit and alignment with the drain. With a pencil trace the footprint of where the pan will sit.
- ◇ Trim the edges of the pan, if necessary, using a utility knife.
- ◇ Verify the slope and check for level placement. Adjust the substrate if required.

2. INSTALL THE DRAIN ASSEMBLY

- ◇ Attach the appropriate drain assembly according to the manufacturer's instructions.
- ◇ Ensure the drain is securely connected to the plumbing and aligned with the shower pan.

3. APPLY THIN-SET MORTAR TO THE SUBSTRATE

- ◇ Mix the thin-set mortar as per the manufacturer's guidelines.
- ◇ Using a notched trowel, spread a consistent layer of thin-set over the substrate where the shower pan has been traced.
- ◇ Comb the mortar with the notched side of the trowel to create uniform ridges.

4. INSTALL THE EPS SHOWER PAN

- ◇ Carefully place the shower pan into the thin-set, aligning it with the drain assembly.
- ◇ Press the pan firmly into the mortar, using a straight edge or level to ensure it is fully supported and properly sloped toward the drain.
- ◇ Allow the thin-set to cure according to the manufacturer's instructions.

By following these detailed instructions, professional tile installers can achieve a secure, watertight, and durable installation for Compotite Cementitious Shower Pans.

PROFESSIONAL TIPS

- ◇ Always check the slope during installation to prevent water pooling.
- ◇ Work in small sections when applying thin-set and waterproofing layers to avoid drying before placement.
- ◇ Follow manufacturer guidelines for all products to ensure compatibility and performance.
- ◇ By following these detailed steps, you'll achieve a durable, watertight shower installation ready for tiling.

WATERPROOFING THE SHOWER PAN

OPTION 1: USING A WATERPROOFING SHEET MEMBRANE

1. CUT AND POSITION THE MEMBRANE

- ◇ Cut the waterproofing sheet membrane to fit the shower pan, extending it up the walls by at least 4 inches.
- ◇ Ensure overlaps of at least 2 inches at seams.

2. APPLY THIN-SET MORTAR

- ◇ Spread thin-set over the pan using a 1/8" x 1/8" notched trowel.
- ◇ Apply a consistent layer over the walls where the membrane will overlap.

3. INSTALL THE MEMBRANE

- ◇ Press the membrane into the mortar using a rubber roller or flat trowel, starting at the drain and working outward.
- ◇ Smooth out air pockets and wrinkles.

4. SEAL SEAMS, CORNERS, AND TRANSITIONS

- ◇ Use Compotite Elastiseal Pro along all seams, corners, and where the pan meets the walls.
- ◇ Embed seam tape into the Elastiseal Pro for enhanced waterproofing.

OPTION 2: USING A LIQUID MEMBRANE

1. PRIME THE SURFACE

- ◇ Apply a primer layer of the liquid membrane if specified by the manufacturer.

2. APPLY THE LIQUID MEMBRANE

- ◇ Use a roller or brush to apply the membrane evenly over the shower pan, extending it up the walls by at least 4 inches.
- ◇ Apply two coats, ensuring the first coat is dry before applying the second.

3. SEAL JOINTS AND CORNERS

- ◇ Use Compotite Elastiseal Pro at all seams, corners, and where the pan meets the walls for additional reinforcement.

FINAL STEPS

1. INSPECT INSTALLATION

- ◇ Ensure the shower pan is level and the slope toward the drain is intact.
- ◇ Verify the waterproofing layer is continuous and free of defects.

2. ALLOW CURING

- ◇ Allow the thin-set mortar, Elastiseal Pro, and waterproofing membrane to cure as per the manufacturers' instructions before tiling.

3. TEST FOR WATERPROOFING INTEGRITY

- ◇ Conduct a flood test to ensure there are no leaks. Follow local building code requirements for testing.

4. PROCEED TO TILE INSTALLATION

- ◇ Once the system has been verified as watertight, proceed with tiling as planned.