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# Companion Guide for Voluntary Training Showers

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## Standard References

- International Plumbing Code (IPC)
- Uniform Plumbing Code (UPC)
- International Residential Code (IRC)
- Local Building Codes
- ADA Standards
- Manufacturer Guidelines
- Tile Council of North America (TCNA) Handbook for Ceramic, Glass, and Stone Tile Installation
- American National Standards Institute (ANSI) Standards
- ANSI A108/A118/A136: Specifications for the installation of ceramic tile.
- ANSI A118.10: Specifications for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation.
- ANSI A118.12: For crack isolation membranes in wet areas
- Schluter®-Shower System Installation Handbook
- Schluter®-KERDI Installation Handbook:
- International Residential Code (IRC): Section P2708 (Showers and Shower Baths).
- Schluter®-KERDI Technical Data Sheet
- Schluter®-Shower System Technical Data Sheet
- National Tile Contractors Association (NTCA) Reference Manual



# Suggested, Generally Accepted Installation Best Practices for Installing Showers

## 1. Preparation:

### 1.1 Inspection and Measurement:

- Inspect the installation area for any damage or unevenness.
- Measure the dimensions of the shower area to ensure the Kerdi Shower Pan fits properly.

### 1.2 Clean the Area:

- Remove any debris, dust, or old materials from the installation area.
  - Ensure the subfloor is clean, dry, and structurally sound.
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## 2. Installation of the Kerdi Shower Pan System:

### Step 2.1: Subfloor Preparation

#### 1. Ensure Level Surface:

- Use a level to check that the subfloor is completely level. Any uneven areas should be corrected with appropriate leveling compound.

#### 2. Dry Fit the Shower Pan:

- Place the Kerdi Shower Pan in the desired location to check the fit. Trim the pan as necessary using a utility knife.

### Step 2.2: Apply the Thin-Set Mortar

#### 1. Mix the Thin-Set Mortar:

- Follow the manufacturer's instructions to mix the unmodified thin-set mortar in a bucket using a mixing paddle.

#### 2. Apply the Thin-Set to Subfloor:

- Using a notched trowel as specified by the thinset manufacturer, spread the thin-set mortar evenly over the subfloor where the shower pan will be placed.

### Step 2.3: Install the Shower Pan

#### 1. Set the Shower Pan:

- Carefully place the Kerdi Shower Pan onto the thin-set mortar. Press it firmly into place ensuring full contact with the mortar.

#### 2. Check for Level:

- Use a level to ensure the pan is level in all directions. Adjust if necessary before the mortar sets.



# Suggested, Generally Accepted Installation Best Practices for Installing Showers (cont.)

## Step 2.4: Install the Kerdi Drain

### 1. Position the Drain:

- Insert the Kerdi Drain into the pre-cut hole in the shower pan. Ensure it is level and properly aligned.

### 2. Secure the Drain:

- Apply the thin-set mortar around the drain flange and press it firmly into place. Use screws to secure, if necessary, according to the manufacturer's instructions.

## Step 2.5: Install the Kerdi Membrane

### 1. Cut the Membrane:

- Measure and cut the Kerdi Membrane to cover the shower pan, curb, and walls.

### 2. Apply the Thin-Set Mortar:

- Spread the thin-set mortar over the shower pan and walls using a notched trowel.

### 3. Install the Membrane:

- Press the Kerdi Membrane into the thin-set mortar. Use a flat trowel to smooth out any air bubbles and ensure full adhesion.

### 4. Seal the Edges:

- Apply sealant to all the seams and edges of the Kerdi Membrane to ensure a watertight seal.

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## 3. Tile Installation:

### 3.1 Layout and Dry Fit:

- Plan the tile layout, starting from the center and working outward. Dry fit the tiles to ensure proper spacing and alignment.

### 3.2 Apply the Thin-Set Mortar:

- Spread the thin-set mortar on the shower pan and walls in small sections using a notched trowel.

### 3.3 Install the Tiles:

- Place the tiles onto the mortar, using tile spacers, to maintain even gaps. Press the tiles firmly into place.



# Suggested, Generally Accepted Installation Best Practices for Installing Showers (cont.)

## 3.4 Check for Level:

- Regularly check that the tiles are level and adjust as necessary.

## 3.5 Grouting:

- Once the mortar has set, remove the spacers and apply grout using a grout float. Press the grout into the gaps between tiles.

## 3.6 Clean the Tiles:

- Use a damp sponge to clean any excess grout from the tile surfaces before it dries.
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## 4. Final Inspection and Cleanup:

### 4.1 Inspect the Installation:

- Check for any imperfections or areas that need touch-ups.

### 4.2 Clean the Area:

- Remove all tools, materials, and debris from the work area.
- Clean the newly installed tiles with a damp cloth.

### 4.3 Seal the Grout:

- Apply the grout sealer as per the manufacturer's instructions to protect the grout lines.

### 4.4 Final Check:

- Ensure the shower pan, drain, and tiles are properly installed and sealed. Check for any leaks or issues.