

# Industry Quality Standard Checklist - Shower Installation

ILG must comply with all industry quality standards, and therefore all of ILG's independent contractors must do so as well. These quality standards include supplier/manufacturer requirements for their products, standards published by industry trade associations and similar bodies, and other common and generally followed standards in the industry (collectively "Industry Quality Standards").

## 1. Preparation Phase:

### Inspection and Measurement:

- Verify that the shower area is inspected for structural integrity and any potential issues.

### Cleanliness:

- Check that the subfloor and surrounding area are thoroughly cleaned and free of debris before proceeding.

## 2. Subfloor Preparation:

### Level Surface:

- Use a level to check the subfloor. Ensure it is completely level. Document any leveling actions taken.

### Dry Fit:

- Confirm that the Kerdi Shower Pan is properly dry-fitted and trimmed, ensuring no gaps or misalignment.

## 3. Application of Thin-Set Mortar:

### Mix Consistency:

- Verify that the thin-set mortar is mixed to the proper consistency as per the manufacturer's instructions.

- Check that the thin-set is applied evenly to the subfloor with no dry spots.

## 4. Installation of the Shower Pan:

### Placement and Leveling:

- Ensure the shower pan is placed correctly on the thin-set mortar.
- Verify that the pan is level in all directions, using a level tool and adjusting as necessary.

### Substrate Preparation:

- Ensure the substrate is clean, dry, and structurally sound.
- Slope the substrate towards the drain at least 1/4 inch per foot.

### Shower Pan Liner Installation:

- Cut the Chloraloy liner to fit the shower floor area, extending up the walls at least 3 inches above the finished curb height.

- Secure the liner around the drain using a clamping ring or similar method to create a watertight seal.

- Avoid puncturing the liner unnecessarily.

### Float Installation:

- Construct a mortar bed over the Chloraloy liner using a dry-pack mortar mix.

- Slope the mortar bed to ensure proper drainage towards the drain.

- Pack and screed the mortar to achieve a smooth, consistent slope.

### Curb and Wall Integration:

- Form and install the shower curb using the same mortar mix as the shower pan.

- Extend the Chloraloy liner up the walls and over the curb.

- Ensure the liner is properly secured and sealed at all transitions and penetrations.



# Industry Quality Standard Checklist - Shower Installation (cont.)

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Below is the checklist corresponding to the Critical to Quality (CTQ) items:

## 5. Installation of the Kerdi Drain:

### Positioning and Securing:

- Confirm that the drain is properly positioned and aligned.
- Check that the drain is securely fixed with thin-set mortar and screws, if required.

## 6. Installation of Kerdi Membrane:

### Cutting Accuracy (CTQ):

- Verify that the Kerdi Membrane is cut accurately to fit the shower pan, curb, and walls.

### Application of the Thin-Set (CTQ):

- Ensure the thin-set mortar is applied evenly over the shower pan and walls. In the case of Kerdi, apply the thinset that is warranted by Kerdi.

- Confirm that the Kerdi Membrane is properly pressed into the thin set, with no air bubbles or gaps.

### Sealing (CTQ):

- Check that all the seams and edges of the Kerdi Membrane are sealed with appropriate sealant to ensure a watertight installation. Confirm that the seams and edges are sealed with good thinset coverage and proper overlap (2" at the seams). The only time that you actually seal and edge is when you attach the Kerdi to a shower pan or tub with Kerdifix.

### Take Pictures (CTQ):

- It is a requirement to take photographs when the Kerdi installation is complete and send them to ILG representatives.

## 6.1

### When waterproofing with Direct Bond:

- Ensure all surfaces that will be exposed to water are properly waterproofed. This typically involves using a waterproofing membrane or a surface-applied waterproofing system.

## 6.2

### When waterproofing mud sets/floated showers:

#### Mud Bed:

- Construct a mortar bed using a mixture of sand and cement (Fat Mud).
- Shape the mortar to the desired slope and contours for drainage and proper water runoff.

## 7. Tile Installation:

### Layout and Spacing:

- Verify the tile layout and ensure even spacing using tile spacers.
- Confirm that the tiles are dry-fitted before applying thin-set mortar.

### Thin-Set Application:

- Check that the thin-set mortar is applied evenly to the shower pan and walls in small sections.

### Tile Placement:

- Ensure the tiles are placed correctly and firmly pressed into the mortar.
- Regularly check for levelness of the tiles throughout the installation process.

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Below is the checklist corresponding to the Critical to Quality (CTQ) items:

## **Grouting:**

- Verify that the grout is applied evenly and pressed into the gaps between tiles.
- Confirm that any excess grout is cleaned from the tile surfaces before drying.

## **Caulking:**

- All changes of plane should be caulked with the customer specified caulk.

## **8. Final Inspection and Cleanup:**

### **Inspection (CTQ):**

- Conduct a thorough inspection of the completed installation, checking for any imperfections or areas needing touch-up.

### **Cleaning:**

- Ensure all tools, materials, and debris are removed from the work area.
- Confirm that the tiles are clean and free of any excess grout.

### **Grout Sealing:**

- If specified by the customer, verify that the grout sealer is applied according to the manufacturer's instructions.

### **Leak Check (CTQ):**

#### **When installing the shower pan and prior to tile installation:**

- Test the shower system for any leaks or issues, ensuring all components are functioning correctly.
- Take photographs; it is a requirement to take photographs showing that the leak check was performed and the results are acceptable. Send photographs to ILG representatives.





# INTERIOR LOGIC GROUP

## **Industry Quality Standard: Shower Installation**

### **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