



INSTALLING YOUR CONCRETE RAMP SINK USING ADJUSTABLE CMU BRACKETS



FSB-B2-AS
FSB-B2-AL

APPLICATIONS

Trueform *Adjustable CMU Brackets* can be mounted to hollow CMU or other masonry surfaces.

TOOLS NEEDED

- Pencil
- Tape Measure
- Laser level
- Torpedo level
- Hammer Drill
- 5/8" Hammer Drill bit
- 1/2" socket
- 1/2" box wrench
- 9/16" socket
- Silicone
- Shims

INCLUDED HARDWARE

Each Adjustable CMU Bracket (FSB-B2-AL or FSB-B2-AS) includes the following:

- Part B2
- Part AS or AL (depends on sink depth)
- 3/8" swivel foot (1 per bracket)
- 3/8" x 2" head head screw (1 per bracket)
- 5/16"-18 x 1" bolt (2 per bracket)
- 5/16"-18 nut (2 per bracket)
- 3/8" x 3" anchor rod (to be used with epoxy system)
- 3/8" epoxy sleeve (to be used with epoxy system)
- 3/8" lock nuts

REQUIRED BUT NOT INCLUDED

- Hilti HIT-HY 270 Masonry Chemical Anchor (epoxy system)

Each Adjustable CMU Bracket has 2 parts:



B2: CMU Mount

B2 comes in a single size and must be installed such that brackets will be both level and spaced across the mounting wall properly.



AS or AL: Supporting Arm

The arm will arrive to you in one of two lengths and is determined by the countertop depth of your sink:

AL (Long): Counter depths 20 1/2" - 24"
AS (Short): Counter depths 17" - 20 1/2"

Step 1. Installing the CMU Mount (Part B2)

It is important to note that brackets must be perfectly leveled, both independently and to each other. Do not measure from the floor when leveling brackets since the floor may not be level.

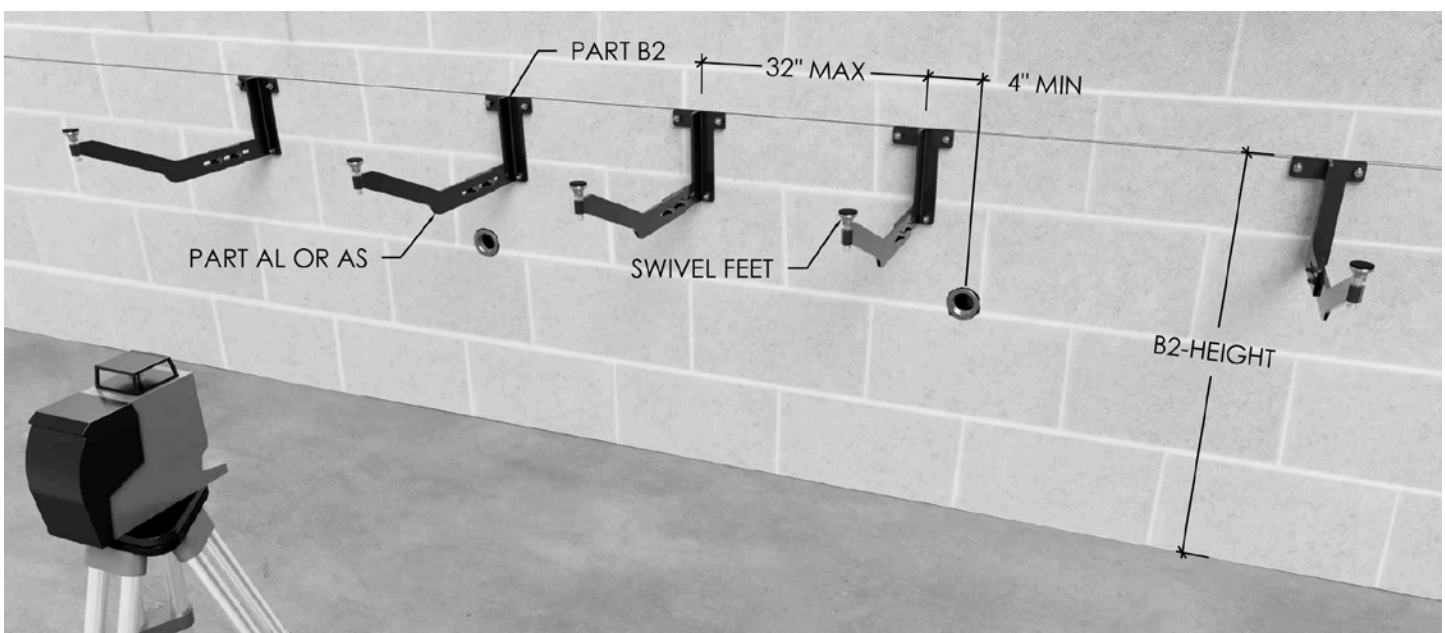
1. Mark the stud wall where you would like the center of the sink to be.
2. Determine the desired finished sink height and mark the stud 1" below. For example, a finished height of 34" (ADA height) would result in a mark at 33" from the **finished** floor. This is your *B2 Installation Height (B2-Height)*.
3. Set your laser level to the **B2-Height**.
4. Mark lateral locations along the wall that meet the following criteria:
 - Maximum distance between a bracket (center of horizontal arm) and an *unsupported* edge of the sink (left or right side) does not exceed 6"
 - Maximum distance between any two brackets (center of horizontal arm), or between a bracket and a wall cleat supporting the left or right edges of the sink, does not exceed 32"
 - Minimum distance between a bracket (center of horizontal arm) and a sink drain location is 4"
5. Position Part B2 so that the very top edge of the wall plate meets the **B2-Height** and the vertical length is plumb (shim as necessary).
6. Use your torpedo level to ensure the horizontal arm is level.
7. Mark the wall and drill the holes for the anchor rods using the 5/8" hammer drill bit.
8. Repeat steps 5-7 for each Part B2.
9. Refer to Hilti's manufacturing instructions to install the masonry anchors. Note that epoxy sleeve anchoring systems typically require a minimum cure time.
10. Once the epoxy has cured, secure Parts B2 to the anchor rods using the 5/16"-18 nuts.

Step 2: Attaching & Setting the Supporting Arm (AS or AL)

1. Attach parts AL or AS slightly less than hand-tight to parts B2 using the 5/16"-18 nuts and bolts so you can adjust their final locations.
2. Set the distance from the center of the swivel feet to the finished wall, which is determined by subtracting 1-3/4" from the overall countertop depth.
3. Use the 1/2" socket and 1/2" box wrench to tighten the hardware. **Due to the tolerance between the bolts and the slots, it is important to apply slight downward pressure on the swivel foot during this step. The top surfaces of Parts B2 and AL or AS should be flush.**
4. When all brackets are complete, the swivel feet should be level with each other and approximately 2 1/4" below the finished sink height when the leveling screws are midway between the top and bottom positions with room for adjustment in both directions.

Step 3: Cleating & Setting the Sink

1. Cleating is optional but recommended. If cleating, install horizontal cleating on the back wall (and side walls, if applicable) between brackets. Ensure that the top edges of all cleats are flush with the top edges of all brackets. **Also ensure the distance between any side wall cleat and a bracket does not exceed 32"**
2. When the heights and measurements of all components are verified, apply silicone to contact points (top of swivel feet, very top edge of each bracket, and top of each cleat [if applicable]). The sink is now ready to be set.
3. When setting the sink, the very top surface of the bracket (against the wall) will contact the underside of the 1" thick countertops at the back of the sink. The swivel feet will make contact with a built-up surface underneath the front of the sink apron (either by plywood or concrete). Note that your sink will arrive with this surface already prepared.
4. Ensure that all all swivel feet are making contact with the underside of the sink, and use the 9/16" socket to adjust the swivel feet height as necessary to level the sink.



Product Care & Maintenance

The following instructions are for our indoor products sealed with our topical sealer.

Now that your concrete is installed, you'll want to properly care for it. Follow these simple guidelines to keep your concrete looking beautiful for years to come:

- Avoid dragging sharp, hard objects across the concrete surface to prevent scratching. Minor white scratches should be expected throughout the piece from use over time. Applying *Pledge* every now and then can fill in minor scratches and give your pieces a nice sheen.
- Avoid using or leaving acidic foods and beverages (lemon juice, mustard, vinegar, wine, soda, tomatoes, bananas, pumpkins/gourds, etc.) perfumes and colognes, cleaners that contain vinegar or citric acids, and other harsh chemicals or solvents (ammonia, acetone, hydrogen peroxide, etc.) on the concrete surface. Clean or remove these substances as soon as possible as they may "eat" through the sealer (which can leave a light hazing) and could possibly expose or stain your concrete. There are, of course, other items and products that may damage your sealer. We have tested against the most typical stain agents, but please use standard precautions to keep your concrete protected.
- Avoid using abrasive soaps, cleansers, or scrubbing pads that can wear down the sealer. We recommend using mild, non-abrasive, non-ammonia, non-citric acid, non-vinegar, non-bleach soaps and cleaners.
- Please use standard care and precautions with your concrete products. Concrete is extremely durable; however, it is not invincible. Excessive force can do damage to your piece.

For more information see our Product Care & Use Sheets at <https://www.trueformconcrete.com/product-care-use-sheets/>

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If you have any questions or if there is anything we can do to improve your experience, please let us know. We'd be happy to hear your feedback.

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