MODULAR WALL

Shower and Partitions

Layout Card Templates

INSTRUCTION GUIDE

Layout Card Installation

Overview

Layout Cards do not come standard with installation kits but are available by request. They will assist in the exact layout and design of your glass block shower, outlining the precise size of each glass block (including joint).

Lay out the cards in the order that match your Shower design. Tabs used to connect the Layout Cards together have two available locking points that represent either a 1/8" or 1/4" joint between blocks. Use the 1/8" position for Stack and Grout construction. The 1/4" joints are used when constructing with mortar. Proceed by snapping all layout cards together.

Square up Layout Cards to the stud wall. Make sure to adjust layout cards away from stud wall to accommodate wall board and any tile if you are planning to run tile behind the glass block. Once you are satisfied with the positioning, trace the interior and exterior of Layout cards for a reference.

Included in Installation kit:

Instructions	Anchor Packs (Anchors, Screws, Shims)
Modular Wall Sections	Caulkrite Tool
Grout	Sealer Kit
Silicone	Insta-Curb Components & Fasteners

Run a large bead of silicone at centerline of where panel will sit on the sill, and a bead of silicone up the jamb the height of the base panel.

Insert a Panel anchor into top spacer on each Modular Wall section, except top panel.

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Panel Installation

Set base panel on curb and push against wall until it is the desired distance from wall (1/8" or more if wall leans in)
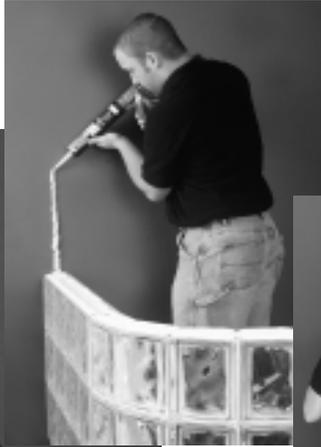
Plumb and level panel and drive a screw through upper hole of anchor. If anchoring through stone or tile, predrill with a 5/32" masonry bit. Once the first screw is in place, check your panel again for plumb, if a small adjustment is needed, the panel can be moved, and will pivot on the upper screw. When perfectly plumb, anchor with second lower screw.

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Apply two beads of silicone to the top of the spacer on the first panel and a bead to the wall the height of the second panel.

Place the second panel on top of the first and push into the wall until the vertical joints line up. (Tip...if the second panel is hitting the anchor at the wall and the vertical joints don't line up; pry the first panel out away from the wall until they do.)

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Panel Installation
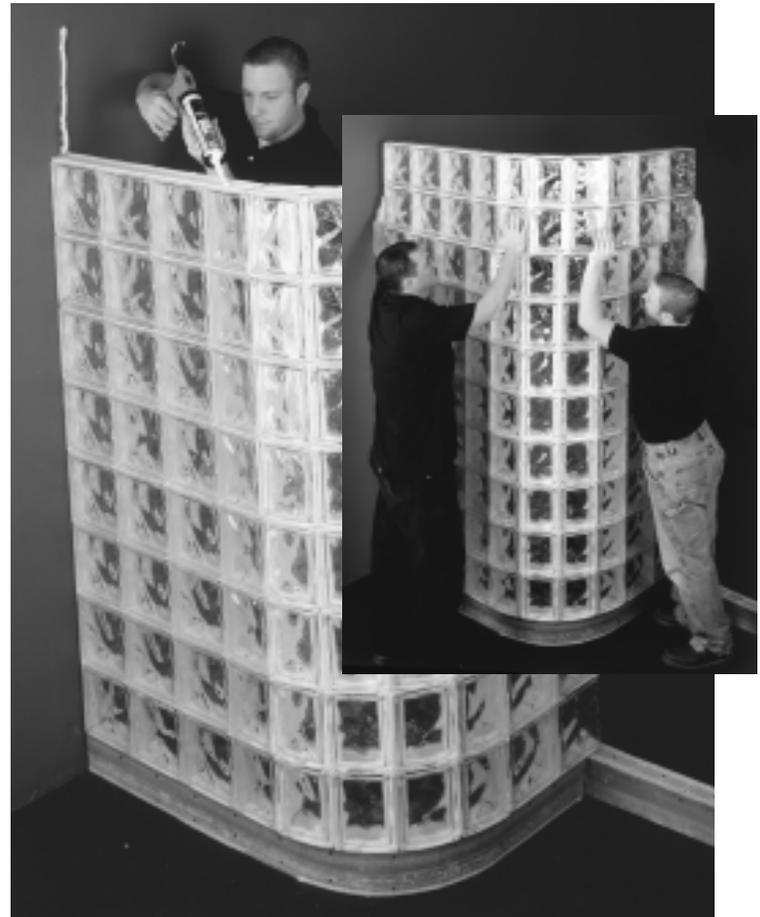
Repeat steps on all sections.

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Panel Installation

The top section will not be able to be anchored and will rely on silicone at jamb and between panels to be secured in place. Straight panel configurations may require a temporary support and over night drying time prior to grouting.

Grouting seams

Follow water measurement as instructed on Grout Bucket. Let it "slake" or sit in the bucket undisturbed for 5 minutes 10 for a colder jobsite and then remix. This is critical for maximum grout strength. (Tip...add water slowly, this grout resists the water at first and a common mistake is to add too much water, ending up with soupy grout and no more dry grout to add to stiffen it back up.)

Apply Grout to all joints making sure to completely fill all voids while encouraging Grout to push into seams in Spacing system. (Tip...do not grout between the glass block and the jamb, or sill.)

Wipe with a tile sponge and clean water at 45 degrees to the joint until grout blends with existing grouted joints. Rinse bucket and replace with clean water. Slowly wipe all joints and rine sponge after each pass,(this process is known as "clean swiping"). Once this is completed wait 20 minutes to 1 hour depending on jobsite temperature and repeat this process. This is a rapid cure.

Grout will start to cure and harden within 45-90 minutes depending on room temperature. It is recommended to only mix and apply a maximum of one 15 pound bucket at a time. After grout is dry, take a rag to polish off any haze that is left.

Caulking

Now that your prefabricated glass block panels are installed and grouted, you will want to caulk between the glass block and the jamb and at the sill. (Note... this is critical because grout tends to have hairline cracks when placed between dissimilar materials, and that's where leaks start. Wait until grout is dry before you begin caulking.)

Start by making sure the block, jamb and sill materials are free of dus. Wipe with a terry cloth towel – alcohol can be used if oil is present. Using 1 " wide blue masking tape, apply to the edge of the glass block panel 1/8" from edge of glass, Now apply blue tape 1/8" away from the face of the block on the jambs and along the curb on both sides of the panel.

Caulking

Apply sealant starting on the front of the sill and about 2" up the jamb and along bottom of panel first, using a Caulk Rite tool strike the joint, wiping the tool clean as sealant builds up on it.

Spray soapy water from a trigger sprayer onto the tooled joint, and after coating your finger in soapy water tool the joint with your finger.

When desired finish of sealant is accomplished remove the tape on both sides of your fresh sealant pulling the tape at 45 degrees to the panel so that it doesn't disturb the sealant. Once the tape has been pulled, spray one more time and run your finger over the joint once more, this will smooth out any imperfections left by the removal of the tape.

Caulking   # Sealing

Repeat this process until all perimeter joints are sealed. (Note... Use the translucent silicone on any surface that doesn't require painting i.e. tile, marble or solid surface. If the surface will be painted i.e. wood or drywall use a paintable sealant such as latex or a more waterproof urethane.)

Note: Silicone starts to skin over in about 5 minutes. Only do sections that can be finished within this time frame for best results.

You have now completed your open end/open top glass block panel installation. It is important to protect your investment if it is in a wet environment like a shower. It is recommended that you seal both the grout joints (against mold, mildew and dirt) and the block itself (against hard water spotting).   First, apply grout sealer after waiting 24 hours for the grout to cure, (two coats are recommended) and then seal the glass with Aquapel.   Both of these processes should be repeated about once every two years for a long term, low maintenance shower.

Supplemental Tool list:

a) Caulking gun
b) Drill (corded or cordless)
c) Level
d) 5/32" masonry bit (if anchoring through Hard Surface)
e) Margin trowel (for mixing grout, though a drill and "cheater beater" mixing blade is handy, but mix slowly)
f) Grout float
g) Grout sponge
h) 2 clean white 5 gal buckets
i) Razor knife
j) Spray bottle with soapy water(1 tablespoon ivory liquid added to a full bottle)
k) Painters Masking Tape for sealant joints
l) Grout Sealers
m) Paper Towels

MASONRY & GLASS SYSTEMS INC.

1503 South Kingshighway Blvd., St. Louis, MO 63110
St. Louis 314-535-6515
http://www.masonryglass.com