

LuciGold Bulkhead Door Assembly Instructions

Congratulation on your decision to purchase the LuciGold Basement Door. Your new basement bulkhead door is constructed of high grade aluminum and therefore will never rust or rot regardless of your location and the surrounding environment.

The LuciGold basement door is designed so that one person can assemble the door in 22 minutes on average. Attaching your assembled bulkhead to an existing foundation and vertical building structure will vary in time and complexity based upon the existing conditions.

Your LuciGold product is a precisely engineered addition to your home or office that is self-squaring and leveling when installed properly. Proper preparation and attention to pre-existing conditions will insure your investment will operate smoothly, remain water tight and prevent rodent access for many years to come, while also being an attractive addition to your home.

Summary;

The foundation surface should be solid, preferably concrete, clean, at least 3 inches wide and at a 90 degree angle to the vertical building structure. This will insure the LuciGold door will assemble easily and operate smoothly. In the event these preliminary conditions are not in place, the installer will need to utilize shims or shave/grind the existing foundation and building surfaces to insure solid contact on all mating surfaces. Done properly, this will ensure that the sealant used between the mating surfaces of the LuciGold door and the existing structure will provide a complete seal against water and rodent penetration.

Assembling the door in its final position on the foundation and confirming smooth operation prior to anchoring the door to the foundation and the building structure, will give you an idea of any gaps or high points that may exist which will need to be addressed. Since the LuciGold door is designed to exact specifications, once bolted together, it will want to square and level itself unless forced into an alternative state.

Steps; Read completely before beginning

Prepare the mating surfaces as described above

Stand each Side Panel on the appropriate side of the foundation where the door will be installed. Leave enough space between the side panels and the building structure to insert the Top Panel.

With new construction, flashing will be installed above the Top Panel and under the shingles or siding, to divert rain water and melting snow.

In existing construction, use a multi-functional cutting tool or chisel to cut the existing shingles or siding material away to allow the Top Panel to lay flat against the vertical building structure. Leave enough room for the flashing to be inserted under the existing siding prior to permanently anchoring the Top Panel.

Bolt the Top Panel to each Side Panel using the hex bolts provided. Remember, the corresponding nuts are already welded in place for your convenience. Use a small amount of Lexel Clear Silicone Sealant on the threads of each bolt to insure a watertight connection.

Attached the Threshold to the Side Panels at the bottom of the door assembly, again using the hex bolts provided.

Attach the hinges to the Door Panel and position the Door Panel over the opening so that it rests over the vertical flange on the Top and two Side Panels while the bottom of the door rests on the Threshold. Do not anchor any of the components to the building at this point.

Temporarily attach the other side of the hinge to the Top Panel

Lift the Door Panel, support the Door Panel securely and attach the two pistons to each side of the Door Panel and the vertical support member on each Side Panel. Be careful not to lose the small pins used to anchor the pistons.

At this point, if the assembled door is resting on the foundation and against the vertical structure of the building, the Door Panel should open and close smoothly, and when closed, the bottom of the door panel should rest on the Threshold the entire length of the Threshold.

If the Door Panel does not operate smoothly or does not fit properly, the surface the door assembly is sitting on is probably not level. Use of a 6 foot level or laser is recommended. Also, if the foundation and the Side Panels do not line up properly to allow secure anchoring, the foundation may not be square to the building or properly sized for the unit you have purchased.

Look carefully for any gaps between mating surfaces to identify areas that either need to be shaved/ground if they are high, or shimmed or filled if they are low to surrounding surfaces. It's a good idea to mark locations where you may need a bit more sealant to compensate for a slight gap that doesn't warrant modification.

Once you have identified any required preliminary modifications to the existing building foundation or vertical surface, remove the Door Panel bolts holding the Door Panel to the Top Panel, detach the lower piston connections to the Side Panels, remove the Door Panel and carefully set it aside.

If all surfaces have been confirmed to be level and square and the LuciGold Door was operating smoothly, mark all holes to be drilled where anchors or screws will be installed (Anchors and screws not included)

Slide the unit off of the final resting place on the foundation and drill appropriately sized pilot holes for the anchors (for cement) or screws (to a wooden building structure).

Now apply a high quality sealant, we recommend PL Premium, to all mating surfaces and place the assembled unit, minus the Door Panel, back into its final resting place. If you are working alone, you

may need to disassemble the unit, putting the two Side Panels in place insuring there is plenty of sealant between mating surfaces and then once again bolting the Top, Side Panels and Threshold together.

Once the door assembly is in position, anchor it securely and evenly at all locations on the Top Panel to the building and then on the Side Panels to the foundation and finally the Threshold to the foundation.

Place the Door Panel on top of the assembly and re-attach the hinge to the Top Panel.

Once again connect the pistons to the Side Panels and insure the door operates smoothly as before.

Attach the Door Handle and Locking Bolts to the top and bottom of the Door Panel respectively.

Finally, as a preventative measure, apply a small amount of Lexel Clear Silicone, or equivalent, to all surface connecting points or joints.

At this point your LuciGold Door Assembly should be complete and functioning smoothly. Installed properly, you will enjoy countless years of smooth operation from your LuciGold investment.

Once again, thank you for your purchase of a LuciGold product. Visit our website often to see some of the revolutionary new egress products we will be offering later this year and early 2012.

www.LuciGold.com