



SIMTEK - Installation Instructions

11. Single Gate Installation.

- a. Gate posts have extra steel reinforcing for strength and are different than all other posts.
- b. The flat surface must be in position to receive the gate and gate hardware.
- c. The four foot gate requires a minimum spacing between posts of 50 ½” and a six foot gate requires a minimum of 73 ½”.
- d. The ideal spacing is to have a one inch gap between the latch post and the striker bar side of the gate. The “extra” gap on the hinge side is to allow for plastic expansion.
- e. Set posts utilizing the same methods as for other posts, making certain they are vertical.
- f. Allow concrete to cure for at least 72 hours, due to the continuous tension on the posts after gates are mounted.
- g. Attach gate striker bar using the two provided 3/8” stainless button head screws making sure not to pinch plastic between threaded inserts in frame and bracket. Position the rod on the outside of the gate (the direction that it swings).
- h. Then thread the ½” hinge rods into the upper and lower inserts in the frame leaving about and 1 ½” from the edge of the gate to the bracket (this can be re-adjusted latter).
- i. Next hold the gate and its hinges against the reinforced gate post in the proper position and thread the provided self tapping screws into the post using caution not to over tighten the screws crushing the internal foam. The elevation of the gate is left to the installer with the standard being level with the top of the panels on either side of the gate. Gates are designed with a gap at the bottom to facilitate an unobstructed swing.
- j. After mounting gate hinges to post adjust the hinges using the ¾” nut on each hinge to set the gap at the latch (approximately 1”) and level the gate so the top of the gate sits level.
- k. Then fasten the gate latch to the post using the provided four self tapping screws, lining it up with the striker bar only after the gate is positioned correctly. **Do not screw through the two small tabs on the front of the latch. The tabs are for alignment only!**



- l. Drop rods can be attached if desired by screwing directly through the plastic panel into the internal frame with self tapping screws.
- m. For more information, see Illustration G at the bottom of this document.

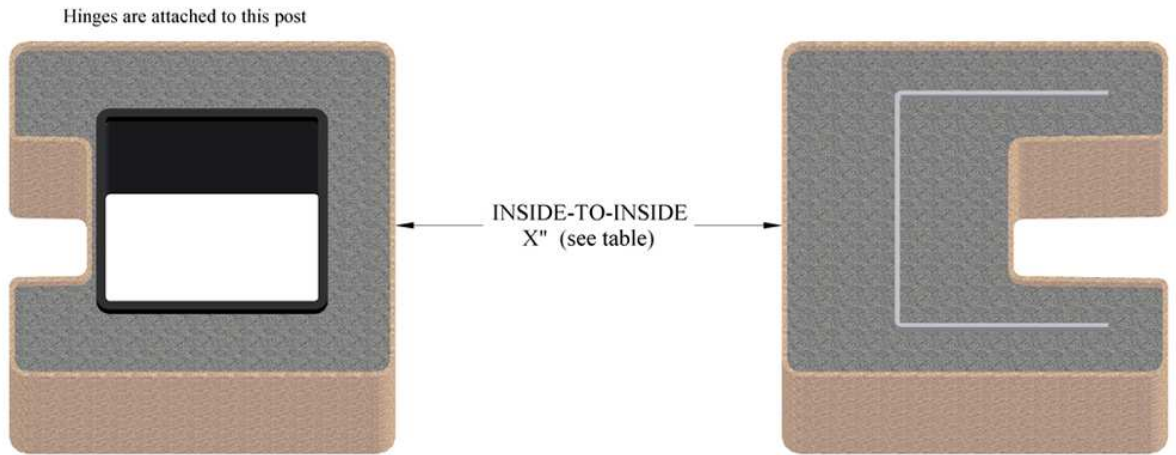
12. Double gate installations.

- a. Double gates are set the same as single gates.
- b. The desired minimum spacing between double gate posts is as follows: two four foot gates 100 ½”; a four foot and a six foot gate 123 ½”; two six foot gates 146 ½” from reinforced gate post to reinforced gate post.
- c. The gap between the double gates themselves should be approximately 1”.
- d. Install the striker as done in the single gate installation on the gate that will be used to open first. The drop rod and the latch get installed on the “fixed” gate.
- e. Install the latch using the provided 3/8” stainless steel button head screws opposite the striker on the opposing gate. The latch can be disassembled and reverse if the opposite latch lever action is desired. On double gates you will be left with an “extra” striker and latch.
- f. At least one drop rod is necessary for the proper functioning of the latch on all double gates. The drop rods screw directly through the plastic panel to the internal frame with self tapping screws.

13. Hinge Spring Adjustment

- a. To tension the gate closings springs remove black rubber cap from top and bottom of hinge pivot to determine which side (top or bottom) has the curly Q tension set pin.
- b. Use the provided tool to rotate the castle cap by hooking it in the holes to rotate the tensioner.
- c. Install the curly Q pin and then rotate again and again until you reach the required tension. Remember to do each hinge in conjunction with the other to obtain the desired tension.
- d. Replace caps with slit in rubber cap facing the hinge body.

Illustration G



Gate Composition	X Dimension
4' - single 4' gate	50 ½"
6' - single 6' gate	73 ½"
8' - double 4' gate	100 ½"
10' - one 4' gate & one 6' gate	123 ½"
12' - double 6' gate	146 ½"

All gates require about a 1.5" gap between the gate and the gate post, and about a 1" gap between the gate and the end post or between the two gates when using double gates.

For single gate, use one gate post (left) and one end post (right).
 For double gates, use two gate posts.