

SURFACE MOUNTING POST INSTALLATION

(All concrete anchors, carriage bolts, lags or composite shims must be provided by installer)

CONCRETE:

When mounting onto concrete, we recommend that the concrete be in good condition and where the **Surface Mounting Posts** are to attach that the concrete is a minimum of 4" thick.

1. Use a commercial grade support anchor to attach **Surface Mounting Post** to the concrete.
2. Measure where the **Surface Mounting Posts** will be installed and mark where each anchor or anchors will be installed. We recommend using 3/8" diameter concrete anchors for all 4" **Surface Mounting Posts** and 1/2" Diameter anchors for all 5" **Surface Mounting Posts**. We recommend a minimum of two anchors for each **Surface Mounting Post**
3. Drill anchor holes at manufactures required depth.
4. Remove all concrete dust out of drilled holes.
5. Insert anchors into drilled holes.
6. Install **Surface Mounting Post** and level or plumb with shims. (We recommend using composite shims)
7. Tighten anchor bolts as specified by anchor manufacture.
8. Slide vinyl post over Surface Mounting Post.
9. Repeat steps 1 thru 8 until all **Surface Mounting Posts** are installed.

CONCRETE RETAINING WALLS:

When mounting onto concrete retaining walls, make sure that the concrete is in good condition and can support the **Surface Mounting Post**. We recommend that concrete retaining walls be a minimum of 8" wide (thick) for both 4" and 5" **Surface Mounting Posts**.

Use the same installation procedure as for concrete and follow steps 1 thru 9.

BLOCK OR STONE RETAINING WALLS:

Extra precautions should be considered before attempting to install **Surface Mounting Posts** onto block or stone walls. The walls must be in good condition and must be able to support the extra wind load that will be applied to these types of walls when fencing is attached to them. We recommend that you get an approval of proposed work prior to installation by local building authorities or a structural engineer. Block or stone walls need to be a minimum of 8" wide for proper attachment of both 4" and 5" **Surface Mounting Posts**. Use the same installation procedure as for concrete and follow steps 1 thru 9.

WOOD OR COMPOSITE DECKS:

Both wood and composite decking material must be in good condition and the substructure must be strong enough to support your fence, railing, or patio cover. Never rely on just the plank boards for supporting **Surface Mounting Posts**.

1. Measure and locate where each **Surface Mounting Post** is to attach to the deck.
2. Firmly attach wood backer blocks that are a minimum of 1.5" thick to the under side of deck where Surface Mounting Posts will attach. **These wood backer blocks must be of good material and securely fastened to the joists, stringers or ledger boards.**
3. Determine where each **Surface Mounting Post** will be located. Mark holes and drill 4 holes. We recommend using a 1/2" diameter lag bolts that are at least 4" long or 3/8" diameter carriage bolts, washers and nuts. For maximum strength we recommend that you use 4 lag bolts or 4 carriage bolts to securely fasten each **Surface Mounting Post** to the deck.
4. Install the **Surface Mounting Post** and level. (We recommend using composite shims)
5. Tighten all 4 lags or carriage bolts.
6. Slide the vinyl post over the **Surface Mounting Post**.
7. Repeat steps 2 thru 6 until all **Surface Mounting Posts** are installed.