

Contec Fence Installation Guide

Before Installation of Contec Fence

- Check fence layout and design. Decide, according to terrain slopes, if fence will be stepped following the contours of land (see Fig. 3).
- Check if material quantity (Contec Fence panels, posts and post caps) is correct (see Fig. 4).
- Contact utility companies to insure that no underground utilities will be affected with fence construction.
- Always follow on-site safety measures during construction.

Installation of the Contec Fence

1. Marking of Contec Fence

Check for property marks. When property marks are not visible, you may call a surveyor. Mark location of the fence according to property marks.

When fence is to be located on a hillside with steep slopes or very irregular terrain, surveying equipment might be needed.

2. Placing posts

Identify level difference on terrain and determine the way that this will be compensated (stepped fence, etc.).

Posts must be plumbed (aligned vertically), and located exactly in-line.

Setting the posts:

Sink posts into the ground and set them in concrete. Once post is in the hole, concrete should be compacted using a tamper bar. Level and brace temporarily post while concrete sets. Posts must have 1 1/2" height over fence to assure proper installation of postcaps.

Concrete base:

A concrete base should be installed before placing Fence panels. Drainage conditions should be assessed. Leave drainage paths if required.

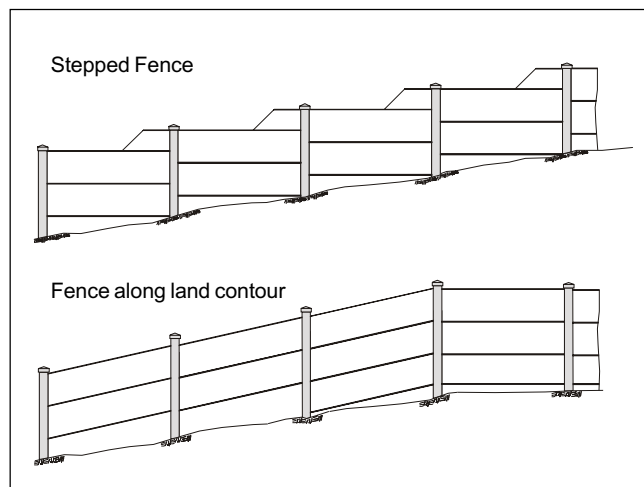


Fig. 3: Different layouts of Contec Fence.



Fig. 4: Check quantity of Contec Fence panels and posts.

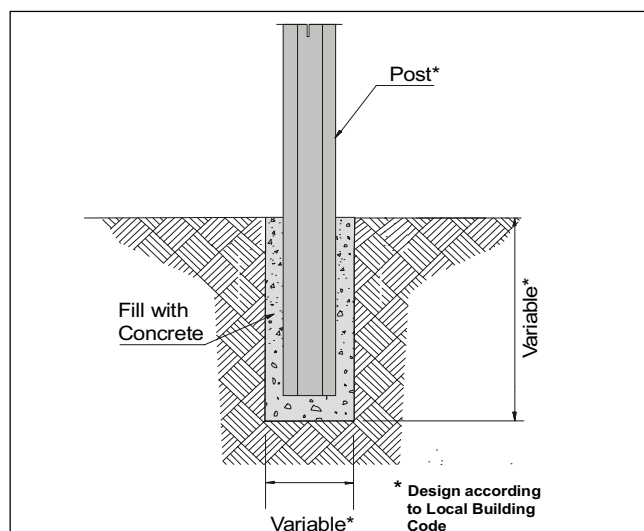


Fig. 5: Post foundation detail.

3. Contec Thin Bed Mortar preparation

Contec thin bed mortar is prepared in a plastic bucket, adding water and mortar from the bag (see instructions on the bag) and mixed with a stirrer in a power drill. Use brush to clean the joint surface before mortar application.

4. Contec Fence Panel installation

- a) While two people hold the panel on its sides, a third person helps, lifting it to slide it onto post grooves.
- b) When panel is inserted into posts, two people keep sliding the panel, holding it from its upper edge.
- c) Once panel is in place, Contec Thin Bed mortar is applied on joint before installing second panel using a dull (large tip).
- d) Wedge the panel temporarily with acrylic or wood strips to adjust it into position (according to fence design).
- e) Repeat procedure for subsequent rows of Contec Fence Panel. Care should be taken that panel joints show the same height throughout the fence.
- f) Once all panels of one section have been placed, use dull (small tip) to place mortar on joints to make the appearance uniform.
- g) Place bits of backer rod as wedges into joints between posts and panels and remove the acrylic strips. Then apply mortar or stucco to cover wedges.

5. Cutting on site of Contec Fence Panels

If there is the need for cutting Contec Fence Panels on-site, follow the procedure shown below:

- a) Prepare a flat surface for site cutting, using saw horses.
- b) Check for dimensions of cuts to be performed. Along its length, panel can be cut in half (1 ft wide) at most.
- c) Proceed with panel cutting.
- d) Place anticorrosive paint at reinforcing bars tips.

6. Post caps

Post caps are placed on top of posts (see posts for Contec Fence System).

7. Gates, ornaments and other fixtures

Gate installation must be made between gate posts. Gate posts have special preparations to attach gates. Fixtures like lamps, signs, etc. should be placed preferably over posts. For placing fixtures over Contec Fences, call Texas Contec for technical support.

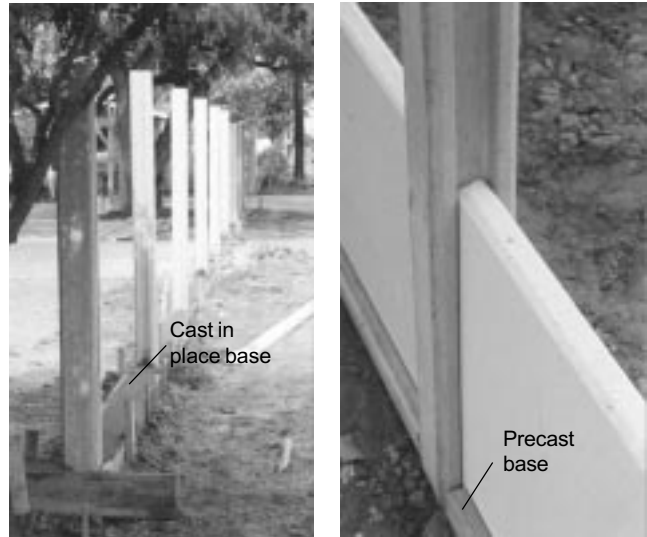


Fig. 6: First course of Fence panels.



Fig. 7: Contec Fence panel installation.



Fig. 8: Third course of Fence panels.

8. Surface patching

Use Contec Repair Mortar to patch chips, breaks and other imperfections on the surface of the Contec Fence Panels.

Contec Repair Mortar is prepared in a plastic bucket, adding water and mortar from the bag (see instructions on the bag) and mixed with a stirrer in a power drill or by manual means (depending of quantity to be used). It is applied using a spatula.

9. Finishes

Although Contec AAC has a very low water penetration rate, as with any concrete material it is recommended to apply a finish coat consisting of color paint or acrylic based render. Stucco, textured and other types of renders are available through Contec.

10. Installation Requirements:

Tools:

- Plastic bucket
- Stirrer for power drill
- Shovel
- Mason's level
- Brush
- Tape measure (50 -100 ft)
- Sanding float
- Plastic edger
- Hammer ax
- Scissors for unpacking
- Claw hammer
- Spatula
- Level line
- Plumb bob
- Chalk line
- String line

Equipment:

- 12" auger
- Posthole digger
- 2 stepladders (2 or 3 steps)
- Heavy digger bar
- Tamper bar
- Circular saw with 8 1/4" metal or diamond blade for Contec Fence Panel 3" thick and 7 1/4" metal or diamond blade for Contec Fence Panel 2" thick
- 1/2" power drill
- 2 saw horses
- Dull w/small and large tip



Fig. 9: Stepped fence layout.



Fig. 10: Gate in Contec Fence System.



Fig. 11: Finished Contec Fence System.



Caution: Use safety gear: Hard hat, gloves, dust mask and goggles to avoid excessive inhalation of dust and protection of the eyes when handling Contec Fence Panels.