

Footing Manual

By Mike Asplint of New Jersey

Description

Redi-Footing is a PVC based alternative to poured concrete footings for decks, fences and other forms of light construction. It offers low costs, less labor, proven structural strength. Unlike concrete, it isn't weather or temperature dependant during installation. Footings can be easily relocated if necessary.

Over time, concrete footings can degrade from temperature induced spalling, salt and other soil components, and rusting of steel components. Redi-Footing has none of these drawbacks.

Assembly & Installation

TOOLS REQUIRED:

Hand saw, electric drill, ¼ drill bit, hammer, tape measure, block of scrap wood.

REDI-FOOTING COMPONENTS:

Upper cap (1), base (1), 2 ¼" galvanized lag screws (2), ¾" long X ¼" stainless steel pins (2).

ASSEMBLY:

Cut schedule 40 PVC pipe to length (determined by local code according to average local frost lines).

Insert PVC pipe into base, using a hammer and the block of scrap wood. Feel for the pipe to bottom out in the base.

Drill ¼" holes through the base and pipe walls on opposite sides. These allow air to escape during the next step.

Attach the upper cap to the top of the PVC pipe, using the hammer and block of scrap wood. Make sure the pipe seats completely inside the cap.

Drill two ¼" holes through the upper cap and pipe walls.
Using a hammer, insert the stainless steel pins into all four ¼" holes.
The footing is now ready for installation.

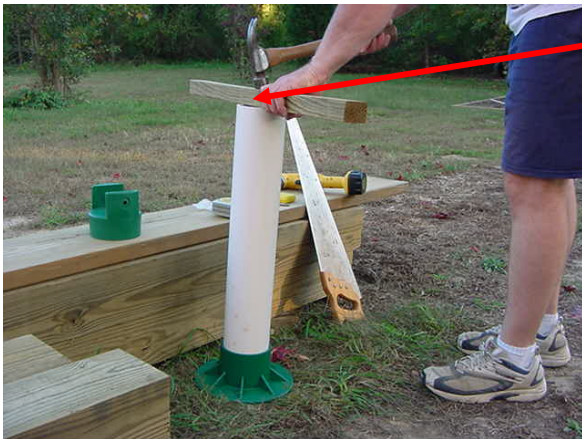
INSTALLATION:

Dig your holes so that the bottom edge of the upper cap will be at ground level.
Fill the holes around the Redi-Footing so that each footing is plumb and level.
Attach posts to the Redi-Footings with the galvanized lag bolt supplied. A 4x4 treated post will fit directly between the ears on the post cap, however if using a 6x6 you must mortise the post to fit.

Photos



Here are all the parts and tools necessary.



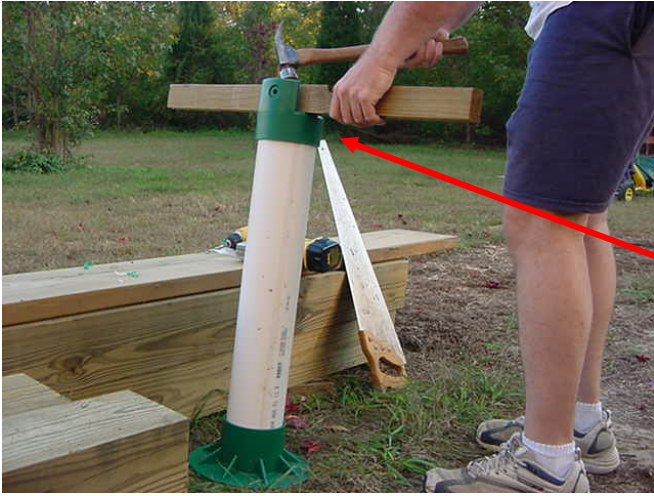
The pipe has been cut to length and is being inserted into the base. Make sure it bottoms out.



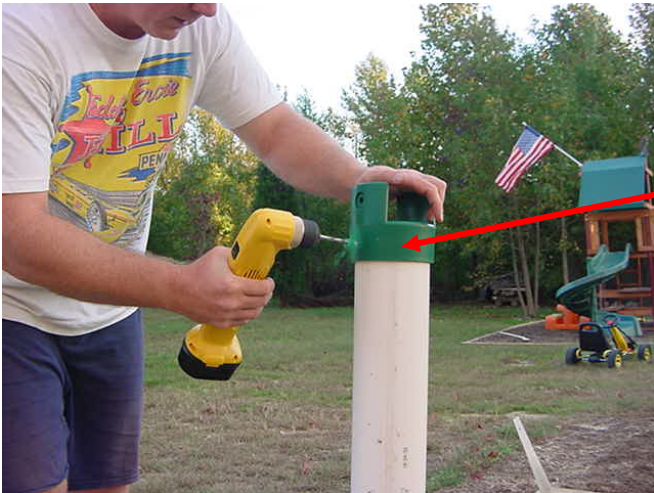
Drill 1/4" holes for stainless steel pins.



Install pins.



Using scrap lumber as a pad, drive upper cap over PVC pipe. Make sure it goes home.



Drill $\frac{1}{4}$ " holes in upper cap.



Install stainless steel pins in upper cap.



Completely assembled Redi-Footing.



**Redi-Footing installed with 6" x 6"
post.**