

# VAPORSTAKE



## The Permanent Plastic Construction Stake



MADE IN THE  
**USA**

[www.vaporstake.com](http://www.vaporstake.com)

# VaporStake, LLC

**VAPORSTAKE™** is a solid plastic construction stake that is designed to be left permanently in place. It is to be used with the vapor retarder and its mastic to set interior forms, screeds or shear wall templates without violating the vapor retarder.

**VAPORSTAKE™** is to be used with either a solid plastic sheet type vapor retarder that meets the ASTM E 1745-11 standards or a sprayed on type vapor retarder.

**VAPORSTAKE™** is used where other corrosive stakes are not allowed. Since VaporStakes are made of solid PVC they do not rot like wood or corrode like steel stakes. Termites do not like to eat PVC. VaporStakes do need to be protected from long term UV rays.

**VAPORSTAKE™** is made of solid plastic, is non-corrosive, is leak-resistant, and acts as a permanent plug in the vapor retarder or footing.

**VAPORSTAKE™** is made in the USA of solid recycled plastic and is permanently left in place. It can help with LEED certification.

**VAPORSTAKE™** is sealed directly to the vapor retarder and is cut off above the seal but below the finished concrete surface. The lower, embedded and sealed portion is not removed. Instead, it is left permanently in place.

**VAPORSTAKE™** is strong, lightweight, easy to use, available in various sizes, and competitively priced. VaporStakes are packaged in bundles of 25 for easy carrying.

**VAPORSTAKE™** is a patent pending product made in the **USA**.



For more information visit [vaporstake.com](http://vaporstake.com) or call (714) 519-4211

# VaporStake, LLC

## VaporStake™ Description

- Non-corrosive, leak-resistant, permanent, plastic stake
- ¾” diameter 18”, 24” or 36” lengths
- 1” diameter 36”, 48” or 72” lengths
- Sizes vary slightly do to the manufacturing process
- Made of solid recycled PVC for LEED credit
- Acts as a permanent plug in the vapor retarder or footing
- Helps meet ASTM E 1643-11
- When used with vapor retarder’s sealing mastic
- Pre-pointed
- Pre-drilled holes for 16D duplex nails
- Can be easily drilled in field for additional holes
- Made in the USA
- A Patent Pending Product
- builditgreen.org approved

## VaporStake™ Installation

- Use the VaporStake™ as you would a typical stake
- Can be used with sprayed-on vapor retarders or polyolefin vapor retarders
- Seal the vapor retarder to the VaporStake™ as you would a pipe penetration
- Do **not** pull the stake out
- Using geared lopping shears, cut the stake off above the seal, but below the concrete’s finished surface
- The lower portion of the VaporStake™ remains in place, permanently plugging the penetration
- Always use proper safety equipment and procedures

## VaporStake™ Availability

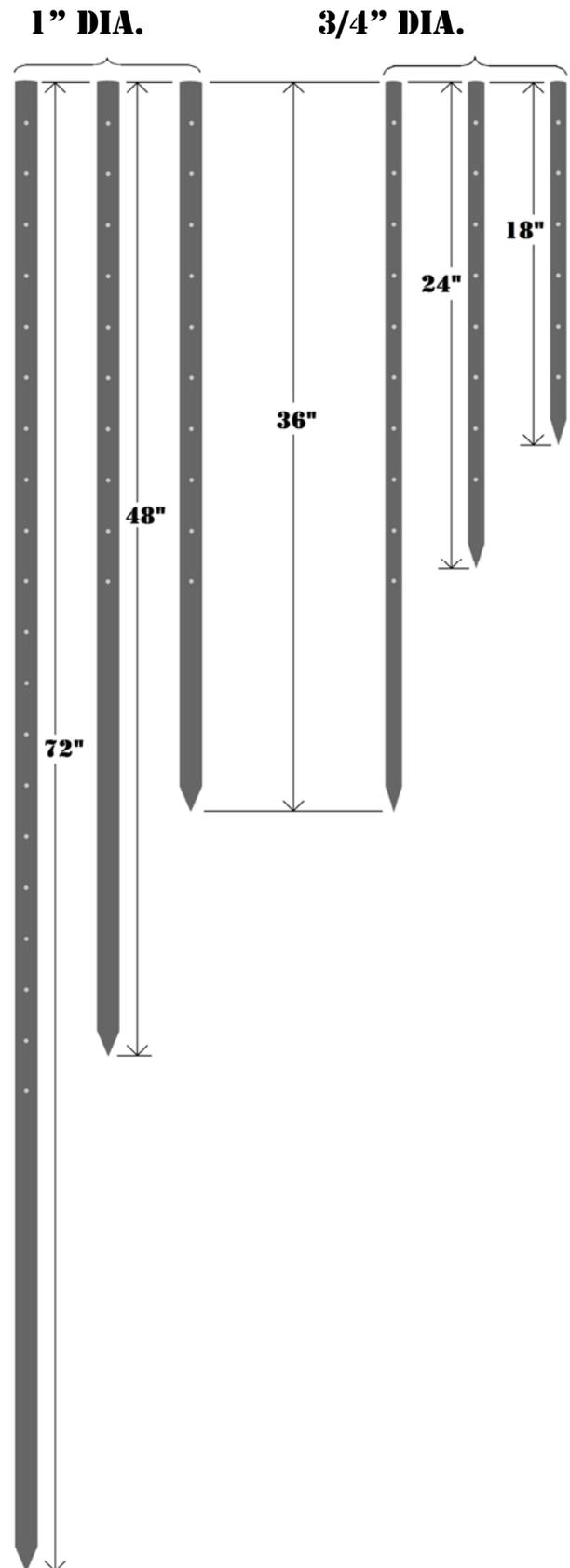
- Sold wholesale only
- 25 stakes per bundle for easy carrying
- To contact email: [info@vaporstake.com](mailto:info@vaporstake.com) or call: (714) 519-4211

# VaporStake™ Size Options

- ★ Use the 3/4" diameter **VAPORSTAKE™** for screed stakes, setting 2x4 shear wall templates, cold joints or small slab splits.
- ★ Use the 1" diameter **VAPORSTAKE™** for forming with lumber 2x8 or larger. The 1" diameter VaporStakes are substantially stronger than the 3/4" VaporStakes.

|                               |            |            |            |             |             |             |
|-------------------------------|------------|------------|------------|-------------|-------------|-------------|
| <b>LENGTH</b>                 | <b>72"</b> | <b>48"</b> | <b>36"</b> | <b>36"</b>  | <b>24"</b>  | <b>18"</b>  |
| <b>DIAMETER</b>               | <b>1"</b>  | <b>1"</b>  | <b>1"</b>  | <b>3/4"</b> | <b>3/4"</b> | <b>3/4"</b> |
| <b>LBS. PER BUNDLE</b>        | <b>78</b>  | <b>55</b>  | <b>39</b>  | <b>24</b>   | <b>16</b>   | <b>13</b>   |
| <b>2-1/2" O.C. NAIL HOLES</b> | <b>YES</b> | <b>YES</b> | <b>YES</b> | <b>YES</b>  | <b>YES</b>  | <b>YES</b>  |

- ★ Please keep in mind that there are variances in sizes. The sharpening process causes a variance in length and the extrusion process causes a variance in diameter. We can make them all the exact same length but it would cost more and we believe most of the customers would rather have the cheaper price. **VAPORSTAKES** are made to get the job done at the most competitive price and still be made 100% in the USA.



# VaporStake™

## For Polyolefin Vapor Retarders

1. Dip the pointed end of the **VaporStake™** into the vapor retarder's Mastic.

Remove the rear cap for easier and faster dipping.



2. Properly align the nail holes and drive the **VaporStake™** through the vapor retarder. The **VaporStake™** can be turned while the mastic is wet, but do not turn it after the mastic has set up.



3. This is what the **VaporStake™** looks like when viewed under the vapor retarder. Notice the tight, continuous, non-corrosive seal that has been created around the **VaporStake™**.



# VaporStake™

## For Sprayed-on Vapor Retarders

1. Use a sledge hammer to drive the **VaporStake™** through the geofabric and into the ground. This process needs to be done before the vapor retarder is sprayed onto the geofabric. Keep in mind to properly align the nail holes.



2. Have the vapor retarder contractor spray directly to the **VaporStake™**. Since the **VaporStake™** is made of PVC and is round like a pipe, the vapor retarder contractor can use the same details that are used to seal around the plumber's pipe penetrations.



# VaporStake™



Use duplex nails to nail the forms to the **VaporStake™**.



# VaporStake™



Use geared lopping shears or a power saw with a standard wood blade to cut the **VaporStake™** above the seal but below the finished surface.



# VaporStake™



Finish the slab over the remaining portion of the VaporStake™.



# VaporStake™ Screed Options

## Cut

Use the ¾" x 24" diameter VaporStake™ as a screed stake. Dip the VaporStake into the mastic then drive thru the vapor retarder.

Remember to cut the VaporStake off below the finished surface and above the seal.

**Do not pull the VaporStake out of the ground.**



## Prefabricated Pipe Jig

Use the ¾" x 18" diameter VaporStake™ as a screed stake. Dip the VaporStake into the mastic then drive thru the vapor retarder. Make a removable jig out of ¾" pipe, ¾" to 1/2" reducer and 1/2" pipe. The VaporStake does not need to be cut when used with this jig configuration, since the top of the stake will be below the finish floor elevation.

**Do not pull the VaporStake out of the ground.**



## Yoke with Jig

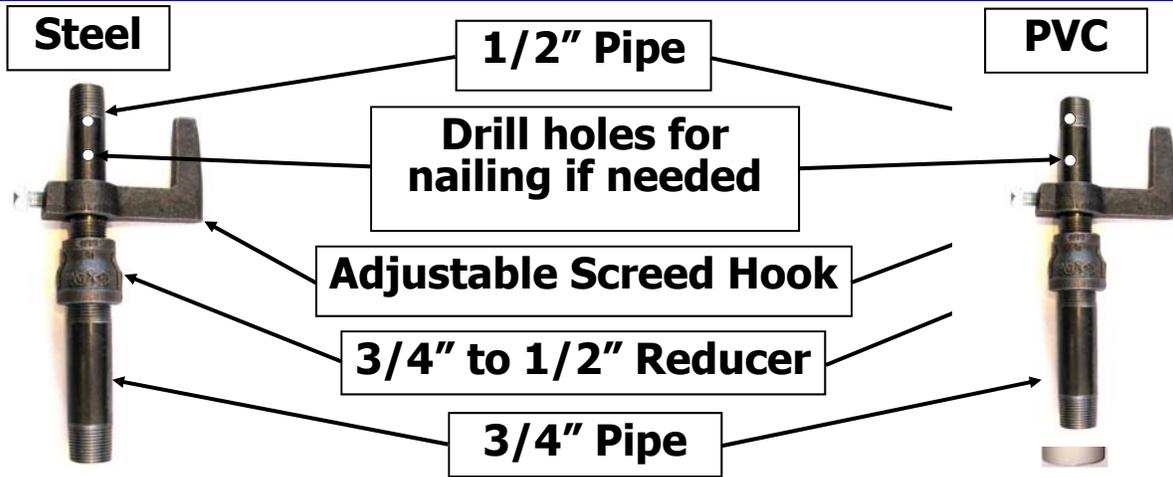
Use the ¾" x 18" diameter VaporStake™ in lieu of a rebar dowel. Dip the VaporStake™ into the mastic then drive thru the vapor retarder. Since the MegaScreed™ yoke places the finished surface above the top of the VaporStake™, no cutting is needed.

**Do not pull the VaporStake out of the ground.**



# Reusable Pipe Jig

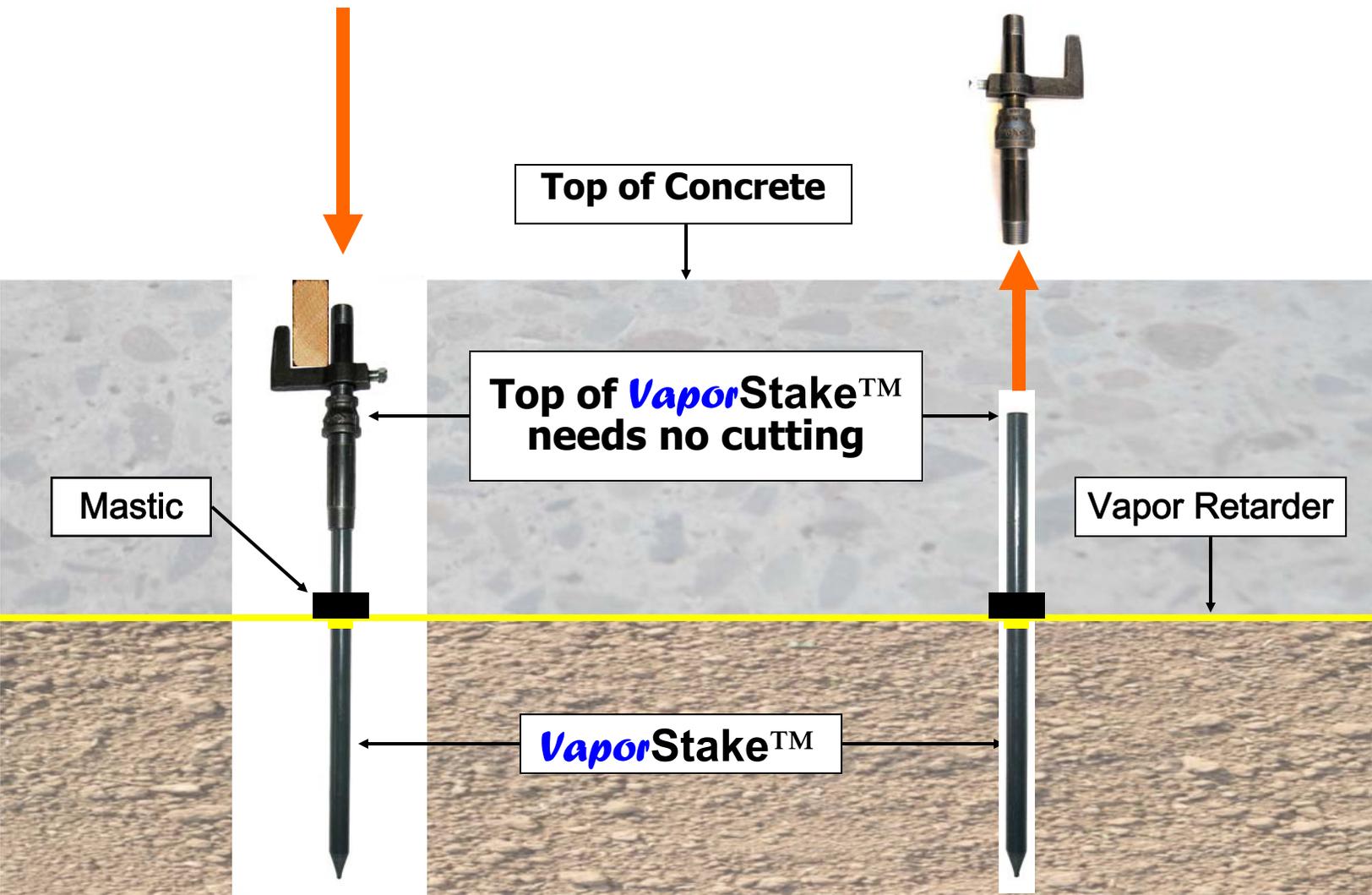
## How to make a pipe jig



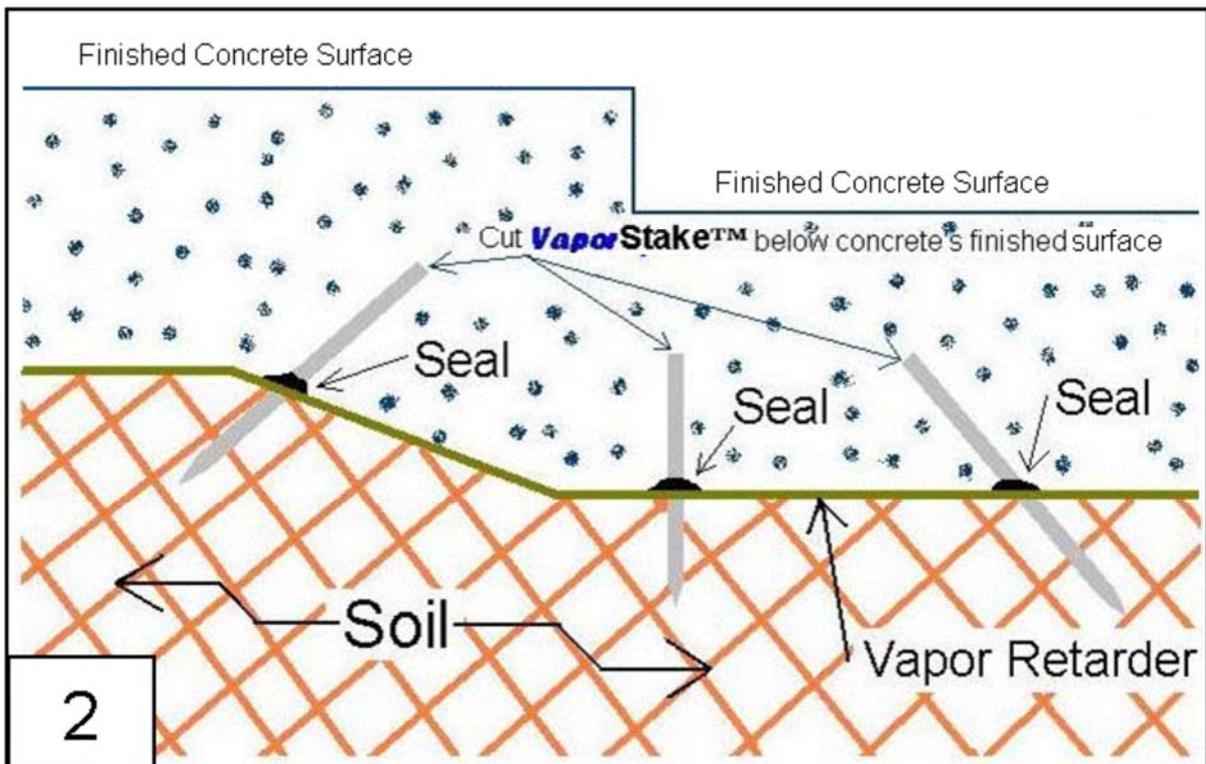
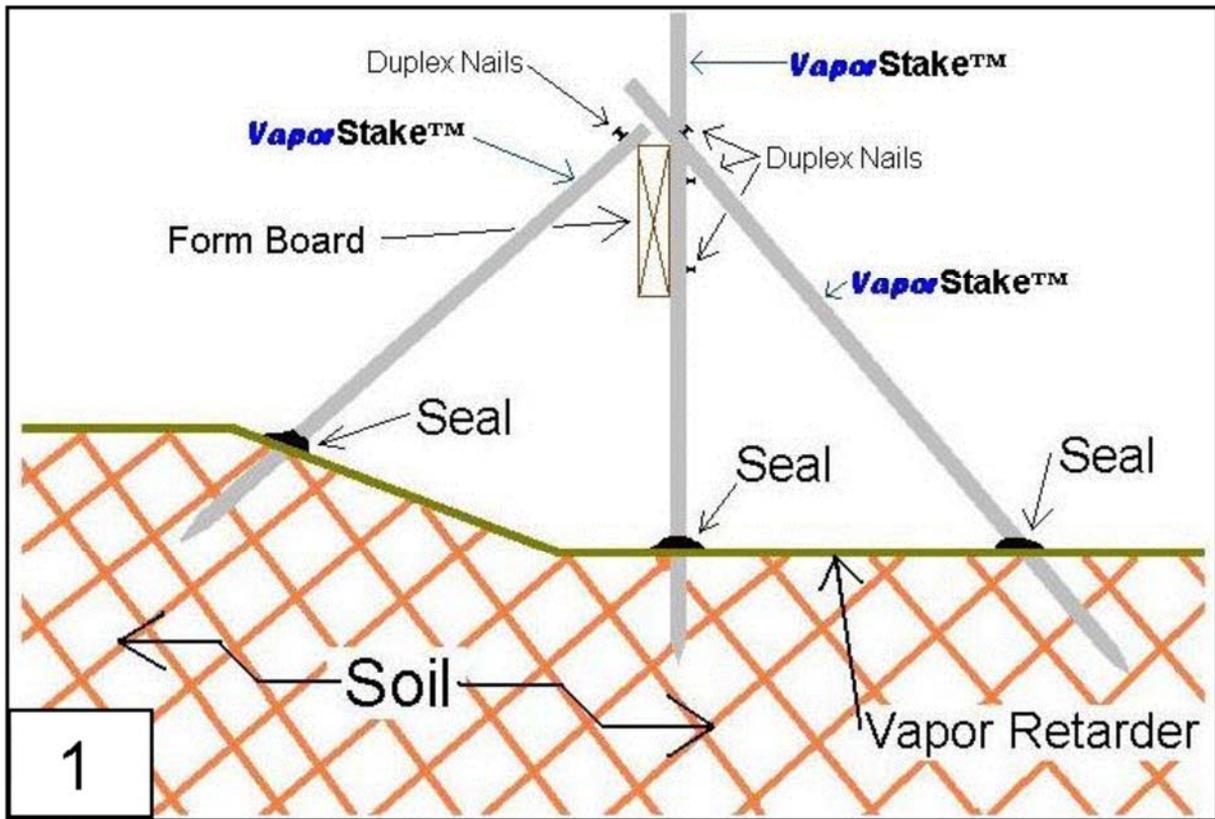
## How to use a pipe jig

Slide jig over *VaporStake*<sup>TM</sup>

Pull jig off *VaporStake*<sup>TM</sup>



# VaporStake™ Details



# VaporStake, LLC



**Year 2019**  
**Booth N3271**

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