



The Ultimate Crawl Space Entry System!

TOUGH • CLEAN • ATTRACTIVE • SECURE

Installation Instructions:

The Turtl unit fits standard crawl access opening size of 24" tall x 32" wide

Also fits 16" tall x 32" wide opening when flange is trimmed along provided trim line (Fig. 1)

New dwelling site preparation:

1) Excavate a hole for crawl unit approximately 52in X 48in X 24in, removing dirt 4" to 6" below bottom of opening. (Fig. 2)

2) Create crawl unit foundation with compacted granular fill and level to height of opening. (Fig. 2)

3) Proceed to Turtl Installation Step #4.

Existing dwelling site preparation:

1) Remove old crawl door including frame and excavate a hole for crawl unit approximately 52in X 48in X 24in, Removing dirt 4" to 6" below bottom of opening.

2) Create crawl unit foundation with compacted granular fill and level to height of opening.

3) Proceed to Turtl Installation Step #4.

Main Unit Installation Kit (w/ring)

Includes:

- 13 - 1/4" x 1 1/4" fender washers
- 13 - 1/4" x 3 1/4" tap cons
- 10 - #10 1" pan head screws

Tools Required for Installation:

- | | |
|-----------------------------|--------------|
| 6" x 3/16" Hammer Drill Bit | Caulking Gun |
| 5/16" nut driver | Trowel |
| Phillips head driver bit | Level |
| Drill | Shovel |

Note: Sealants and pad lock not included.



Fig. 1



Fig. 2



Fig. 3

For more information visit: www.theturtl.com

Designed and Manufactured in the U.S.A.

Turtl Installation Steps (cont'd):

- 4) Pre fit Crawl unit into hole, align flush to building and level in all directions Note: If required - mark and remove siding material and/or add CCA treated wood shim to provide best flush fit. (Fig. 4)
- 5) Remove unit once level, clean block with wire brush and wipe clean with rag.
- 6) Spread tar onto brick and base of opening (spread about 3" wide and 1/2" to 3/4" thick), then lay 1/2" rope seal into center of tar joint.
- 7) Insert Turtl unit into hole and press into place, check for level after compressing unit into the tar sealant.
- 8) Using drill and 6" bit, drill holes into concrete on **four lower holes only** using unit as your template.
- 9) Using drill and nut driver install tap cons into 4 lowest pre-drilled holes and secure unit to block wall (upper tap cons install later).
- 10) Drill two holes 9" from bottom leading edge in second groove from side. Use drill to install tap con and fender washer in holes. (Fig. 5)
- 11) Caulk cap groove with bead of silicone before installing to main unit with #10 pan head screws. (Fig. 6) **Important:** If using elevation ring(s) perform Step 11 and Step 12 for each ring prior to installing cap.
- 12) Install lid onto main unit, hold unit in place and attach with #10 pan head screws. (Fig. 7)
- 13) Drill holes into concrete using unit as template for lid and elevation ring(s).
- 14) Install tap cons and fender washers into lid and elevation ring(s).
- 15) Use silicone caulk above grade to seal outer edge of unit all the way around edge where it contacts side of dwelling: Use tar sealant below grade to seal edge below grade. (Fig. 8)
- 16) Back fill with granular fill starting from the back. Fill with granular fill up to 2/3 of grade, then finish last 1/3 with top soil to yard grade. (Fig. 9)



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9