

ISI BUILDING PRODUCTS®

INSTALLATION GUIDE

VIPER® CS CRAWL SPACE VAPOR BARRIER

Step 1: Site Preparation

- Ensure grading around outside of foundation and downspouts is such that rainwater will be directed away from the home or building.
- Remove all debris and/or deteriorated building materials (insulation, old poly, etc.) from crawl space.
- Perform mold and structural integrity inspection. Remedy any found issues prior to installing liner.
- If a sump pit is present or to be installed, grade dirt or gravel to drain towards the sump pit.
- Scrub masonry to ensure good adhesion of tapes

Step 2: Air/Pest Seal

- Fully encapsulated crawl spaces should be sealed to eliminate air and pest infiltration.
- One-component foam, rigid foam blocking and/or silicon caulk can be used to seal vents and around cracks and penetrations.

Step 3: Calculate, Plan and Cut

- Measure crawl space and use Viper CS Layout Sheet to create a layout of crawl space.
- Remember to account for a 12-inch overlap at both the floor and wall seams.

Pro Tip: For easier placement and workflow, cut Viper CS into manageable pieces outside of the crawl space.

Step 4: Walls

- Leave a 3-inch gap below top plate for future termite inspections.
- Attach Viper CS to wall using Viper Double Bond Tape.
- Using ¼-inch masonry bit, drill pilot holes every 3-4 feet along top edge of liner

- Drill through Viper Double Bond Tape to ensure self-sealing around pilot holes.
- Tap Viper CS Liner Pins into pilot holes with a mallet or hammer.

Step 5: Piers and Penetrations

- Use Viper Double Bond Tape and Viper CS Liner Pins, per Step 4, to attach Viper CS to piers.
- Use Viper Double Bond Tape and 4-inch Viper Vapor Tape to attach Viper CS to pipe penetrations.

Step 6: Floor

- Install Viper CS according to layout sheet created in Step 3
- Ensure overlaps of at least 12 inches at all seams.

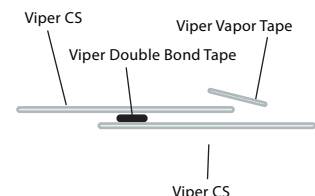
Step 7: Seaming and Sealing

- Use 4-inch Viper Vapor Tape to seal all seams.

Pro Tip: To “double-lock” seams, use Viper Double Bond Tape.



Viper CS Liner Pins



Double-Locked Seams



Finished Install

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