



Reinforced Crawl Space Liners

PRODUCTS NEEDED TO COMPLETE INSTALLATION

- 4x200, 12 ml, Reinforced Vapor Barrier for Walls
- 12x100, 20 ml, Reinforced Vapor Barrier for Floor
- Drainage Matting
- Seam Tape
- Christmas Tree Fasteners
- Geocel 3300 Sealant
- Butyl Tape
- Spray Foam Insulation Kit

TOOLS NEEDED TO COMPLETE INSTALLATION

- Utility Knife or Heavy Shears
- Hammer Drill with 1/4" Masonry Bit
- Garden Rake
- Shovel
- Caulk Gun
- Measuring Tape
- Garbage Bags (for removing organic materials and insulation)
- Work Lights
- Step Ladder (if you must step from basement to crawl space)
- Tyvek Suit
- Dust Mask or Respirator
- Hammer
- Shoe Covers (to avoid getting liner dirty after floor piece is installed)

INSTALLATION STEPS

The steps below offer typical installation practices for crawlspace liners, and will vary based on site conditions.

1. Remove any organic materials and debris from the crawlspace.



2. If the crawlspace has any issues with standing water a sump pump should be installed in the low spot before encapsulating.



3. Rake the crawlspace as level as possible.



4. Seal up all areas where outside air could enter the crawlspace such as vents and pipe penetrations around the perimeter. This can be done using our spray foam insulation kits, can foam, or caulking.





Reinforced Crawl Space Liners

INSTALLATION STEPS CONTINUED

- 5.** Roll the drainage matting out to cover the entire floor of the crawl space. Measure and lay out pieces to create as few seams as possible. Then tape all seams together using seam tape.



6. Covering the Walls

Cover the crawl space walls and piers first using the 4'x200' liner. Using the smaller size roll for the walls will make the installation easier and also give you a clean line across the top of the wall. The top of the liner should be 2-3 inches below the top of the wall.

- 6a** Use a 1/4" bit to drill through the liner and into the wall. Press a fastener into the hole to secure the liner to the wall. Fasteners should be placed one to two inches down from the top of the liner and every 16 inches around the perimeter wall.



- 6b** Pull the liner tight against the wall and run a razor blade down the edge to get as straight a cut as possible on the openings.
- 6c** Once the liner is secured to the wall, pull back the top edge of the liner that is above the fasteners and run a bead of white polyurethane caulk behind the liner to air seal the liner to the wall. (If you prefer, butyl tape can be used in place of caulk)



- 6d** Run a bead of caulk down the front vertical edges on the wall liner to adhere it to the wall.
- 6e** Tuck the wall liner under the drainage matting.



7. Covering the Floor

Measure and lay out your floor liner as to create as few seams as possible. **NOTE:** To make the job flow smoother you can pre-cut material in a staging area outside of the crawlspace after you measure.



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INSTALLATION STEPS CONTINUED

- 7a** Make sure that the wall pieces run under the floor pieces so any water that comes through the walls will run under the liner.
- 7b** Once the floor liner is stretched across with as few wrinkles as possible, run a bead of caulk down the edges and adhere the floor liner to the wall liner.



- 7f** Tape any open seams at the front opening of the crawl space and install final trim piece on the opening.



- 7c** Tape all seams and around piers using the seam tape. **NOTE:** Try to get the liner and tape to be parallel to the ground. This is purely cosmetic, but makes for a cleaner finish.



- 8. Enjoy your finished crawl space!**



- 7d** Once the corners are folded over and excess liner is cut so that the top edge lines up flush, you can tape the corner flaps in place.
- 7e** Pull the floor liner tight at the opening to remove any remaining wrinkles, run a bead of caulk down the opening wall and adhere the liner to the block.