

# CRAWLSPACE LINER

## PART 1 – GENERAL

### 1.1 SUMMARY

- A. Products supplied under this section:
  - 1. Crawlspace liner and installation accessories for installation in a crawlspace.
- B. Related sections:
  - 1. Section 07 26 00 Vapor Retarders

### 1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM):
  - 1. ASTM E1745- 17 Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs.

### 1.3 SUBMITTALS

- A. Quality control/assurance:
  - 1. Summary of test results per paragraph 9.3 of ASTM E 1745.
  - 2. Manufacturer's samples and literature.
  - 3. Manufacturer's installation instructions for placement, seaming, wall termination, and penetration repair instructions.
  - 4. All mandatory ASTM E1745 testing must be performed on a single production roll per ASTM E1745 Section 8.1.

## PART 2 – PRODUCTS

### 2.1 MATERIALS

- A. Liner shall have all of the following qualities:
  - 1. Maintain permeance of less than 0.01 Perms [ $\text{grains}/(\text{ft}^2 \cdot \text{hr} \cdot \text{inHg})$ ] as tested in accordance with mandatory conditioning tests per ASTM E1745 Section 7.1 (7.1.1-7.1.5).
  - 2. Other performance criteria:
    - a. Strength and Longevity: ASTM E1745.
    - b. Thickness: 15 mils minimum
- B. Vapor barrier products:
  - 1. Basis of Design: StegoCrawl Vapor Barrier (15-mil, white) by Stego Industries LLC., (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
  - 2. No substitutions.

### 2.2 ACCESSORIES

- A. Seams :
  - 1. StegoCrawl Tape by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
- B. Penetrations of liner:
  - 1. StegoCrawl Tape by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
- C. Perimeter/edge seal:
  - 1. StegoCrawl Term Bar by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
  - 2. StegoTack Tape (double sided) by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).

## PART 3 – EXECUTION

### 3.1 PREPARATION

- A. Remove debris from crawlspace.

## 3.2 INSTALLATION

- A. Install liner in accordance to manufacturer's instructions.
  1. Turn StegoCrawl Vapor Barrier up the foundation wall to a minimum height of six inches above the outside/exterior grade or in compliance with local building codes and terminate with StegoCrawl Term Bar. To form a complete seal, apply StegoTack Tape to the foundation wall prior to installing StegoCrawl Term Bar.
  2. Seal StegoCrawl Vapor Barrier around all penetrations and columns using StegoCrawl Tape and/or StegoTack Tape.
  3. Place StegoCrawl Vapor Barrier directly over the crawlspace floor. Where consistent with local code, if rigid insulation is to be used, install StegoCrawl Vapor Barrier prior to insulation (under insulation and between the foundation wall and insulation).
  4. Overlap seams a minimum of six inches and seal with StegoCrawl Tape. Some codes require a minimum of a twelve inch overlap. Check appropriate codes prior to installation.
  5. No penetration of the liner is allowed except for reinforcing steel and permanent utilities.
  6. Repair damaged areas by cutting patches of vapor barrier, overlapping damaged area 6 inches and taping all sides with tape.

END OF SECTION