

SECTION 03 0505
UNDERSLAB VAPOR RETARDERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Sheet Vapor Retarders under concrete slabs on grade.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1.3 INFORMATIONAL SUBMITTALS

A. Product Test Reports: For each product, for tests performed by a qualified testing agency.

PART 2 - PRODUCTS

2.1 Sheet Vapor Retarder

A. Manufacturer's Proprietary Vapor Retarders: ASTM E-1745, 15 mil thick sheet, with maximum permeance rating of 0.1 perm.

1. Products: Subject to compliance with requirements, provide one of the following products:

- a. Fortifiber Corporation; Moistop Ultra 15.
- b. Stego Industries, LLC; Stego Wrap, 15 mil.
- c. W.R. Grace Construction Products; FlorPrufe 120.
- d. W.R. Meadows, Inc., PERMINATOR Underslab Vapor Mat 15.

2. Accessory Products: Vapor Retarder Manufacturer's recommended tape, adhesive, mastic, etc., for sealing seams and penetration in vapor retarder installation.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean substrates of substances that are harmful to vapor retarders, including removing projections capable of puncturing vapor retarders.

3.2 INSTALLATION OF VAPOR RETARDERS

- A. Install vapor retarders over prepared grade. Lap joints a minimum of 6 inches and seal with manufacturers recommended tape.
- B. Extend vapor retarder over footings and seal to foundation wall or grade beam with manufacturer's recommended tape.
 - 1. Extend vapor retarder vertically minimum 24 inches above top of footing where possible or as indicated on the drawings.
- C. Seal around penetrations such as utilities and columns in order to create a monolithic, airtight membrane at grade surface, perimeter, and all vertical penetrations.

3.3 PROTECTION

- A. Protect vapor retarders from damage until concealed by permanent construction.

END OF SECTION 03 0505