

# ForeSight™ Green Product Summary



## Moistop Ultra® 10 Underslab Vapor Retarder

Manufactured by Fortifiber Building Systems Group

*Pre-Consumer Recycled Content: 0% by weight*

*Post-Consumer Recycled Content: 0% by weight*

*Weight: 4.8 lbs/100sq.ft.*

### LEED® For Homes Green Building Rating System – June 2007 Draft

#### Materials and Resources

##### MR2 Environmentally Preferable Products

Intent – Increase demand for environmentally preferable products (EPPs) and products or building components that are extracted, processed, and manufactured within the region.

##### 2.2 Environmentally Preferable Materials

Use building materials that meet one or more of the criteria below. Except as noted in exhibit MR2-A. A material must make up 90% of the component, by weight or volume. A single component that meets each criteria can earn points for each.

Note: "Recycled content" products must contain a minimum 25% post consumer recycled content, except as noted in exhibit MR2-A. Post-industrial (pre consumer) recycled content must be counted at half the rate of post consumer content.

- a. EPP – Use products that meet the environmentally preferable product specifications in exhibit MR2-A
- b. Low emissions – Use products that meet the Emissions Specifications in Exhibit MR2-A (Meet South Coast Air Quality Management District Rule # 1168) 250 grams/liter
- c. Local production – Use products that were extracted, processed and manufactured within 500 miles of the home.

#### Indoor Environmental Quality

##### IEQ9 Radon Protection

Intent – Reduce occupants exposure to radon gas and other soil gas contaminants.

9.1 Radon resistant construction in high radon risk areas. If home is located in EPA radon zone 1, design and build home with radon resistant techniques.

9.2 Radon resistant construction in moderate radon risk areas. If home is NOT located in EPA radon zone 1, design and build home with radon resistant techniques.

# LEED

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*Protecting Your World from the Elements®*

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### NAHB National Green Building Standard™ – Version #2.0 Draft

#### Energy Efficiency

##### 701.4.6.2 Floor/Foundation/Crawl Space

701.4.6.2.2 Crawlspace Walls. Where insulated, crawlspace wall insulation is permanently attached to the walls. Exposed earth in unvented crawlspaces is covered with continuous vapor retarder with overlapping joints taped.

#### Indoor Environmental Quality

##### 903 Moisture Management: Vapor, Rainwater, Plumbing, HVAC

903.0 Intent. Moisture and moisture effects are controlled in accordance with one or more of the following.

903.2 A capillary break shall be installed at all concrete slabs in accordance with one of the following:

- a. A 4-inch bed of 1/2 inch diameter or greater clean aggregate, covered with polyethylene or polystyrene sheeting in direct contact with the concrete slab, lapped at joints as described in 903.3
- b. A minimum 4 inch uniform layer of sand, over laid with a layer or strips of geotextile drainage matting, covered with polyethylene sheeting lapped at joints as described in 903.3.

903.3 Slab and crawl space vapor retarder complying with all of the provisions of Section 903.3.1 and 903.3.2 as applicable. Joints of vapor retarder overlaps a minimum of 6 inches and taped.

903.3.1 Slabs. Minimum 6-mil vapor retarder is installed directly under slab.

903.3.2 Crawl Spaces. Vapor retarder installed in crawl spaces as follows:

1. Floors. A minimum 6-mil vapor retarder installed on the crawl space floor.
2. Walls. Vapor retarder on walls installed as follows:
  - a. Equal to or less than 1 perm vapor retarder is extended up the wall enough to allow the material to be affixed with glue and furring strips;

903.4 Crawl space that is built as a conditioned area is sealed to prevent outside air infiltration and provided with conditioned air at a rate not less than .02 cfm per square foot of horizontal area and one of the following is implemented:

1. A concrete slab over lapped 6 mil polyethylene or polystyrene.
2. 6-mil polyethylene sheeting lapped, 12 inches and taped at the seams.

# NAHB

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