

## FortiCel™ and FortiCel™ Crawlspace

### PRODUCT DESCRIPTION

**Basic Use:** FortiCel™ is a topical spray-on coating designed to protect residential and commercial properties against the degrading effects associated with mold.

**Benefits:** FortiCel™ reduces the potential for mold growth on virtually all interior construction surfaces, including lumber, concrete, steel studs, floor joists, sheetrock and trusses.



### APPLICATION

- A. Strictly follow recommendations and instructions regarding product material and mixing, so as to provide the best quality work.
- B. Building roof shall be intact and dried in prior to application.
- C. All materials shall be applied under adequate illumination, evenly distributed and properly applied and shall have a visible blue tint evident after application. The crawlspace product has a white tint to it.
- D. All materials shall be applied in an even and full continuous coating, free from skips or pinholes. Application rate to be 1 Mil wet thickness.
- E. FortiCel™ is best applied by conventional spray equipment. Small areas or perimeter edges can be coated using a natural hair bristle trim brush. Apply as follows:
  1. Configure your spray application so that a working wet line is maintained. Strive to spray to natural breaks. Always keep the tip pointed perpendicular to the surface.
  2. Beginning in a corner or other natural break, apply FortiCel™ material using vertical sweeps of the gun. Work in areas of arm's length, which are most comfortable for the individual. Keep the gun tip parallel to the surface being sprayed.
  3. Use good journeyman spray techniques in order to achieve a thin, uniform coating deposit free from skips and holidays.
  4. The surface being treated will ultimately dictate the square foot per gallon yield of FortiCel™. As a general rule, the following guidelines can be used:
    - a. Wood surface areas – 2,000 to 2,500 sq. ft./gal. @ 1 Mil wet
    - b. Masonry surface areas – 600 to 1,000 sq. ft./gal. @ 1 Mil wet
    - c. Steel surface areas – 2,000 to 2,500 sq. ft./gal. @ 1 Mil wet
  5. Continue application until the entire room has been protective treated.

### HANDLING AND STORAGE

**Handling:** Deliver materials in sealed containers with manufacturer's labels intact.

### HEALTH AND SAFETY

The health and safety information in this data sheet does not contain sufficient detail for safe handling in all cases. For detailed safety and health information refer to the Material Safety Data Sheet for this product.

|                     |  |
|---------------------|--|
| <b>Product Name</b> | FortiCel™ and FortiCel™ Crawlspace   |
| <b>Address</b>      | P.O. Box 860<br>Valley Forge, PA 19482-0105  |
| <b>Phone</b>        | 610-341-7000 • 800-233-8990  |
| <b>Fax</b>          | 610-341-7571   |
| <b>Website</b>      | <a href="http://www.certainteed.com/insulation">www.certainteed.com/insulation</a> |

### TECHNICAL DATA

#### Applicable Standards

- Spore Germination  
-ASTM 5590

**Composition and Materials:** Blue aqueous liquid.

#### Coverage Area:

- Forticel New Construction  
-2,000–2,500 sf/gallon
- Crawlspace  
-500–750 sf/gallon

**Limitations:** Product should be stored at a temperature of 40°F–100°F.

**Sizes:** Available in 5-gallon pails.

### MAINTENANCE

No maintenance required.

### TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group in Valley Forge, PA, at 800-233-8990.

### AVAILABILITY AND COST

For availability and cost, contact your local contractor or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

### WARRANTY

25-year warranty. For detailed information, refer to the FortiCel™ warranty.

**TECHNICAL DATA**

1. Surface Treatments shall be inorganic silica cross-link cured film structures.
  - i. V.O.C. must be "0."
2. FortiCel has passed ASTM 5590 to prevent spore germination.
3. FortiCel has independent laboratory evidence of prevention of germination as tested by MouldWorks Laboratory, Cedar, MI according to MouldWorks Test Panel for testing of inherent mold resistance of coatings and their ability to prevent spore germination. See "Comparison of MouldWorks vs ASTM 5590."
4. Laboratory testing includes evidence of independent evaluation of coating capability to prevent germination of each of the species and results shown in table at right.
5. FortiCel and FortiCel Crawlspace have passed ASTM D-3273-94 testing, with a zero mold growth (10) rating.
6. FortiCel offers a 25-year warranty, which includes the full cost of remediation in the event of mold occurrence on the surface. Warranty must be serialized and traced to the property address of application and must be enforceable without regard to ownership.

| LABORATORY TESTING RESULTS  |                             |                          |             |
|-----------------------------|-----------------------------|--------------------------|-------------|
| MOLD SPECIES                | BLACK ENAMEL CONTROL SAMPLE | COATING TESTED FORTICEL™ | WATER AGAR  |
| Aspergillus caespitosus     | no germination              | no germination           | germination |
| Aspergillus glaucus gp.     | germination                 | no germination           | germination |
| Aspergillus versicolor      | germination                 | no germination           | germination |
| Chaetomium globosum         | germination                 | no germination           | germination |
| Cladosporium sphaerospermum | germination                 | no germination           | germination |
| Fusarium sp.                | germination                 | no germination           | germination |
| Paecilomyces variotii       | germination                 | no germination           | germination |
| Penicillium aurantiogriseum | germination                 | no germination           | germination |
| Penicillium corylophilum    | germination                 | no germination           | germination |
| Penicillium decumbens       | germination                 | no germination           | germination |
| Stachybotrys sp.            | germination                 | no germination           | germination |
| Trichoderma longibrachiatum | germination                 | no germination           | germination |
| Tritirachium oryzae         | germination                 | no germination           | germination |
| Ulocladium botrytis         | germination                 | no germination           | germination |

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