

## SECTION 06 05 76

### MOLD-RESISTANT TREATED WOOD

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

Microsoft Word: From the pull-down menus select TOOLS, then OPTIONS. Under the tab labeled VIEW, select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section Includes: Shop-applied mold-resistant treatment of:
  - 1. [Framing lumber.]
  - 2. [Plywood.]
  - 3. [Oriented strand board.]
  - 4. [Engineered wood products.]
  - 5. [Parallel strand lumber.]
  - 6. [Laminated veneer lumber.]
  - 7. [Wood I-beams].
  
- B. Related Sections:
  - 1. Division 01: Administrative, procedural, and temporary work requirements.
  - 2. Section [06 11 00 - Wood Framing] [\_\_\_\_ - \_\_\_\_]: Lumber for mold-resistant treatment.
  - 3. Section [06 12 00 - Structural Panels] [\_\_\_\_ - \_\_\_\_]: Wood faced panels for mold-resistant treatment.
  - 4. Section [06 15 00 - Wood Decking] [\_\_\_\_ - \_\_\_\_]: Decking for mold-resistant treatment.
  - 5. Section [06 16 00 - Sheathing] [\_\_\_\_ - \_\_\_\_]: [Plywood] [Oriented strand board] sheathing for mold-resistant treatment.
  - 6. Section [06 17 00 - Shop-Fabricated Structural Wood] [\_\_\_\_ - \_\_\_\_]: Engineered lumber for mold-resistant treatment.

##### 1.2 REFERENCES

- A. American Wood Protection Association (AWPA):
  - 1. E1-06 - Standard Method for Laboratory Evaluation to Determine Resistance to Subterranean Termites.
  - 2. E12-94 - Standard Method of Determining Corrosion of Metal in Contact with Treated Wood.
  
- B. ASTM International (ASTM) – D 3273-00 (2005) - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
  
- C. Environmental Protection Agency (EPA) - Registered products listing.
  
- D. GREENGUARD Environmental Institute (GEI) - Standard for low-emitting Products.

##### 1.3 SUBMITTALS

- A. Submittals for Review:
  - 1. Product Data: Manufacturer's descriptive data and test results for treated products.
  - 2. Samples:
    - a. [12] [\_\_] inch long treated lumber samples.
    - b. [12 x 12] [\_\_ x \_\_] inch treated [plywood] [oriented strand board] samples.

- B. Sustainable Design Submittals:
  - 1. Low-emitting materials.
  - 2. Innovation in design.
- C. Quality Control Submittals:
  - 1. GREENGUARD Indoor Air Quality certification.
  - 2. Current EPA approval listing.

#### 1.4 QUALITY ASSURANCE

- A. Applicator Qualifications: Licensed by mold treatment manufacturer.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver treated products bearing manufacturer's quality stamp indicating:
  - 1. Inspection agency.
  - 2. Month and year of application.
  - 3. Treatment facility.
  - 4. Treatment used.
  - 5. Suitable end uses for products.
- B. Store treated products off ground.

#### 1.6 WARRANTIES

- A. Furnish manufacturer's warranty providing coverage against:
  - 1. Development of mold on treated products for 180 days prior to installation.
  - 2. Development of mold on treated products for period of 20 year after installation.
  - 3. Structural damage by termites other than Formosan termites for period of 20 year after installation.

### **PART 2 - PRODUCTS**

#### 2.1 MANUFACTURERS

- A. Contract Documents are based on FrameGuard wood treatment by Arch Wood Protection, Inc.
- B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

#### 2.2 MATERIALS

- A. Treatment Chemicals:
  - 1. Proprietary broad-spectrum anti-mold and borate chemicals.
  - 2. Registered with EPA.
  - 3. Indoor Air Quality certified under GEI Standard for low-emitting products.
- B. Treated Wood:
  - 1. Mold growth: 0 rating, tested to ASTM D 3273 for 8 weeks at 77 degrees F and 100 percent relative humidity.
  - 2. Termite resistance: Minimum rating of 7.0, tested to AWPA E1.
  - 3. Corrosion potential for metals in contact with treated wood: Maximum 2 mils per year, tested to AWPA E12 for minimum of 60 days on aluminum 2024, carbon steel, hot-dip galvanized steel, and G90 galvanized steel.
  - 4. Equivalent lateral resistance and tooth holding capacity as untreated wood.

#### 2.3 FABRICATION

- A. Apply mold-resistant treatment to scheduled components under controlled conditions by spray or dip method, to retention levels required by treatment manufacturer.

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION**

- A. Install mold-resistant treated products under provisions of Section[s] [06 11 00] [06 12 00] [06 15 00] [06 16 00] [06 17 00] [\_\_\_\_\_].
- B. Treatment of field cuts and holes is not required.

END OF SECTION