



**1. Product Name**

Advance Guard® Brand Borate Pressure Treated Wood

**2. Manufacturer**

Osmore, Inc. - Wood Preserving Division  
 P.O. Box O  
 1016 Everee Inn Road  
 Griffin, GA 30224-0249  
 (800) 241-0240  
 (770) 233-4200  
 Fax: (770) 229-5225  
 E-mail: treatedwood@osmore.com  
 www.osmore.com  
 www.timberspecialties.com

**3. Product Description**

**BASIC USE**

Advance Guard® brand lumber and plywood are borate pressure treated products designed for interior wood framing. The product resists attack by subterranean termites and numerous household insects and pests, including fungal decay and carpenter ants. At the higher retention level, the product also resists attack by Formosan termites.

Advance Guard brand pressure treated wood products are part of the SmartGUARD™ family of protected building products.

Product features include:

- Manufactured by licensed, independently owned and operated treating plants that produce products to stringent Advance Guard standards
- For use in aboveground weather protected structural framing and sill plates in residential and commercial projects, such as residential dwellings, industrial buildings, mobile or modular home construction or any application requiring wood protected against termites, carpenter ants and fungal decay, including dry rot
- Recommended for fascia, trim and miscellaneous wood applications, when properly protected from the weather
- Advance Guard borate treated plywood is recommended for wall sheathing, roof sheathing and subfloors

Advance Guard applications include:

- Sill plates
- Joists and subflooring
- Beams and purlins
- Stud-framed walls and partitions
- Roof decks and sheathing
- Roof and floor trusses
- Wood blocking and furring
- Wood trim

**COMPOSITION & MATERIALS**

Advance Guard products are treated with disodium octaborate tetrahydrate (DOT).

**COLORS**

Product is clear and nonblooming.

**LIMITATIONS**

Advance Guard Borate Preservative-Treated Wood Products are intended for above-ground, weather-protected applications only. They are not to be used in areas subject to precipitation, wetting, dampness or condensation. Advance Guard wood products must typically be kiln dried after treatment (KDAT) to a maximum moisture content of 19% for lumber and 18% for plywood.

Advance Guard brand wood products should be used as part of an integrated structural protection system, which includes soil treatment with an approved pesticide at the time of construction, if required by state or local codes, and other SmartGUARD protected building products.

**4. Technical Data**

**APPLICABLE STANDARDS**

American Wood-Preservers' Association (AWPA)

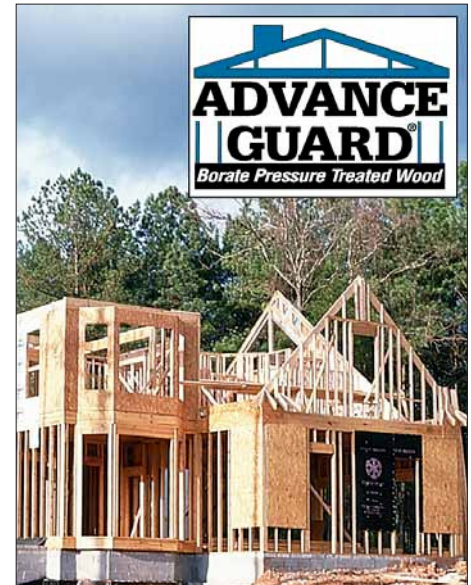
- AWPA C9 Plywood, Pressure Treatment
- AWPA C31 Lumber Used Out of Contact With the Ground and Continuously Protected From Liquid Water
- AWPA P5 Waterborne Preservatives

**APPROVALS**

Approved lumber species are Southern Yellow Pine, Douglas Fir, Hem-Fir and Spruce-Pine-Fir. Approved plywood species are Southern Yellow Pine and Douglas Fir.

**ENVIRONMENTAL CONSIDERATIONS**

This preservative is registered with the Environmental Protection Agency (EPA) and meets the requirements of American Wood-Preservers' Association Standard P5.



Built-in Advance Guard® protection

**PHYSICAL/CHEMICAL PROPERTIES**

Wood products treated with Advance Guard should carry the following information:

1. Manufacturer's name.
2. Treatment plant name.
3. Quality mark of an independent inspection agency.
4. Symbol "SBX" (Sodium borate), preservative retention level and date of treatment.
5. AWPA treatment standard, wood species and the words "Above Ground and Continuously Protected From Liquid Water."

Test reports and additional product information on Advance Guard are available from Osmore, Inc., upon request. For information on product performance of treated products, contact manufacturer of that product.

**PERFORMANCE**

Specifier should select one of two following borate active ingredient minimum retention levels based upon building code and local conditions. (Note: 0.42 pcf (6.7 kg/m³) DOT retention is required to qualify for Advance Guard Limited Residential Warranty in all applications.)

- Protection against North American subterranean termites, decay and insects: 0.25 pcf DOT retention (0.17 pcf (2.7 kg/m³) B<sub>2</sub>O<sub>3</sub>) DOT minimum retention)
- Protection against Formosan termites: 0.42 pcf DOT retention (0.28 pcf (4.5 kg/m³) B<sub>2</sub>O<sub>3</sub>) DOT minimum retention)



Built-in Advance Guard® protection

**5. Installation**

**PREPARATORY WORK**

Handle and store product according to Osmore, Inc., recommendations. Prevent exposure to precipitation during shipping, storage or installation. Store material off ground and under cover. Allow materials exposed to incidental moisture to dry thoroughly prior to covering with vapor- or moisture-retarding finish materials.

**METHODS**

Advance Guard wood products are noncorrosive, easy to handle and workable with common tools. Complete installation recommendations are available from the manufacturer.

Select borate preservative-treated wood members in accordance with appropriate untreated lumber and plywood span tables. Provide ventilation of building cavities as required by code.

Install borate preservative-treated wood in accordance with requirements of applicable codes. Avoid milling operations that could adversely affect preservative characteristics of borate preservative-treated wood.

Treat end cuts of borate preservative-treated wood members greater than 2" (51 mm) in thickness with field-applied end coat prior to installation. Where applicable, provide sill plate of borate preservative-treated wood.

Verify fastener requirements of local building code and edit paragraph below as

required. Install using fasteners required by applicable code for use with untreated lumber and plywood.

For painting or staining of Advance Guard borate preservative-treated wood, a light sanding or brushing is all that is necessary to ensure proper coating adhesion. Prepare borate preservative-treated wood for application of finishes in accordance with manufacturer's recommendations. Sand surfaces lightly, clean and check for moisture prior to finishing.

**PRECAUTIONS**

Avoid frequent or prolonged inhalation of sawdust from treated wood. When sawing and machining treated wood, wear a dust mask. When power sawing or machining, wear goggles to protect eyes from flying particles. Surfaces must be clean and dry before application.

**BUILDING CODES**

Current data on building code requirements and product compliance may be obtained from Osmore, Inc., technical support specialists. Installation must comply with the requirements of all applicable local, state and national code jurisdictions.

**6. Availability & Cost**

**AVAILABILITY**

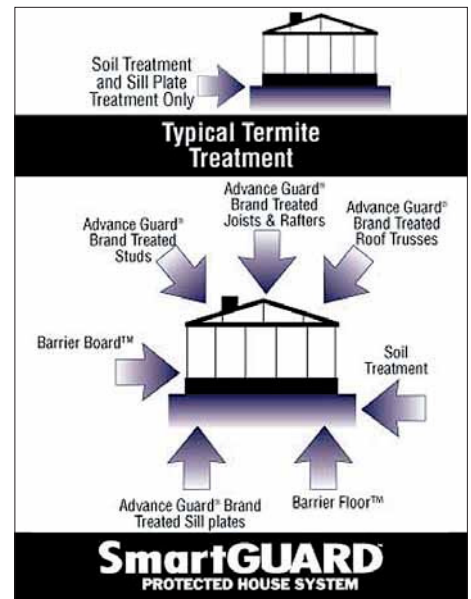
Contact manufacturer for information on local firms which apply the Advance Guard treatment.

**COST**

Budget installed cost information may be obtained from an Advance Guard pressure treatment firm.

**7. Warranty**

Advance Guard Borate Pressure Treated Wood, when properly used in accordance with the Product Information and Specification Guide, is warranted against structural damage caused by fungal decay and termites at the higher retention level, including Formosan termites, in accordance with terms and conditions of the Advance Guard Limited Warranty. Only residential dwellings constructed in accordance with Advance Guard specifications shall qualify for the Advance Guard Limited Warranty. For further information on warranty conditions, duration, remedies and exclusions, contact manufacturer.



**8. Maintenance**

There are no specific maintenance requirements for Advance Guard treated materials. Periodic building inspection by a qualified individual to ensure dry conditions and lack of infestation may be advisable in high risk service environments.

**9. Technical Services**

A staff of factory trained service personnel offers design assistance and technical support. For technical assistance, contact Osmore, Inc., Wood Preserving Division.

**10. Filing Systems**

- First Source™
- MANU-SPEC™
- Additional product information is available from the manufacturer upon request.