

Model Specification for ACZA-Treated Wood

The following paragraphs are for insertion into a section of generic specifications or generic/proprietary specifications covering rough carpentry to include preservative treated wood. Notes shown in italics should not be included in the final specification.

PART 1 GENERAL

1.01 REFERENCES

- A. American Wood Protection Association (AWPA) Book of Standards:
 - 1. Standard U1, Use Category System: User Specification for Treated Wood.
 - 2. Standard P5, Waterborne Preservatives.
 - 3. Standard M4, Care of Preservative-Treated Wood Products.
- B. National Institute of Standards and Technology (NIST):
 - 1. PS 1, U.S. Product Standard for Construction and Industrial Plywood.
 - 2. PS 20, American Softwood Lumber Standard.
- C. Western Wood Preservers Institute
 - 1. Best Management Practices for the Use of Treated Wood in Aquatic Environments.

1.02 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Treatment Facility: Provide treated materials that have been produced under the appropriate ASTM or ANSI standard or an ALSC recognized quality assurance program.

1.03 DELIVERY, STORAGE, AND HANDLING

If drying after treatment is selected in Part 2, retain the two paragraphs below.

- A. Packing and Shipping:
 - 1. Provide waterproof covers for preservative treated wood during shipment.
- B. Storage and Protection:
 - 1. Store preservative treated wood off the ground and protected from the weather.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Preservative: Chemonite® ACZA (Ammoniacal Copper Zinc Arsenate); Arch Wood Protection, Inc.

2.02 MATERIALS

Lumber for preservative treatment must conform to the following specifications. Select grade and species below. Other grades and species may be acceptable, contact Arch to verify.

- A. Lumber: In accordance with NIST PS 20 and as follows:

1. Grade:
2. Species:
3. Surfacing:
4. Moisture Content: 19%, maximum.

Plywood for preservative treatment must conform to the following specifications. Select panel grade, exposure durability, species group, and structural rating from below.

A. Plywood: In accordance with NIST PS 1 and as follows:

1. Panel Grade: A-C.
1. Panel Grade: B-C.
1. Panel Grade: C-C.
1. Panel Grade: C-D.
2. Exposure Durability: Exterior.
2. Exposure Durability: Exposure 1.
3. Species Group: 1.
3. Species Group: 2.
4. APA Structural Rating: Structural I.
4. APA Structural Rating: Structural II.

B. Preservative: ACZA in accordance with AWP A P5.

2.03 PRESERVATIVE TREATMENT

A. Pressure Treatment: In accordance with the requirements of AWP A Standard U1 and in accordance with the following Commodity Specification:

1. A: Sawn Products.
2. B: Posts.
3. D: Poles.
3. E: Round Timber Piling.
4. F: Wood Composites (including Plywood).
5. G: Marine (Salt Water) Applications.

B. Preservative Retention: In accordance with AWP A Standard U1 and appropriate Commodity Specification for the following use category:

1. UC2 Interior construction, Above Ground, damp.
2. UC3A Exterior construction, Above Ground, coated & rapid water run-off.
3. UC3B Exterior construction, Above Ground, uncoated or poor water run-off.
4. UC4A Ground Contact or Fresh Water, non-critical components.
5. UC4B Ground Contact or Fresh Water, critical components or difficult replacement.
6. UC4C Ground Contact or Fresh Water, critical structural components.
7. UC5A Salt or brackish water and adjacent mud zone, northern waters.
8. UC5B Salt or brackish water and adjacent mud zone, NJ to GA, south of San Francisco.
9. UC5C Salt or brackish water and adjacent mud zone, south of GA, Gulf Coast, Hawaii, and Puerto Rico.

C. Moisture Content: Drying after treatment is not required.

Select above or below.

C. Moisture Content: Dry after treatment as follows:

1. Lumber: 19%, maximum.
2. Plywood: 18%, maximum.
3. Plywood: 15%, maximum (*for Permanent Wood Foundation*).

Retain below if fixed preservative is required for aquatic environments.

D. Pressure Treatment of Materials for Aquatic Environments: In accordance with the Best Management Practices published by the Western Wood Preservers Institute.

2.05 SOURCE QUALITY CONTROL

A. Inspection:

1. Untreated Material:

- a. Lumber: Provide lumber that has been inspected and graded before treatment by an ALSC-recognized grading agency.
- b. Plywood: Provide plywood that has been inspected and graded before treatment by a code-recognized inspection and testing agency.
- c. Poles: Provide poles that have been inspected and graded before treatment in accordance with ANSI standards.
- d. Piling: Provide piling that has been inspected and graded before treatment in accordance with ASTM standards.

2. Treated Material: Provide treated material that bears the quality mark of an ALSC-recognized agency which maintains supervision, testing, and inspection of the quality of the product.

PART 3 EXECUTION

3.01 INSTALLATION

Below is not generally required for sapwood species such as southern pine less than 5 inches thick in the eastern and central U.S. No other special installation specifications are required for preservative treated wood.

A. Surface Treatment of Field Cuts: Treat field cuts on members that provide structural support to a permanent structure in accordance with AWP Standard M4.