



O5.5.2010

**WOOD GROUND WIRE MOULDING - SPECIFICATIONS AND
DIMENSIONS**

AMERICAN NATIONAL STANDARD



Founded in 1904, the American Wood Protection Association (AWPA) is a non-profit organization which is responsible for promulgating voluntary wood preservation standards. AWPA Standards are developed by its technical committees in an open, consensus-based process that involves individuals from all facets of wood preservation: Producers of preservatives and preservative components; producers of treated and untreated wood products; end users of treated wood; engineers, architects and building code officials; government entities, academia, and other groups with a general interest in wood preservation. AWPA's Standards are universally specified for wood preservation in the USA, and are recognized worldwide.

AWPA standards help ensure that treated wood products perform satisfactorily for their intended use. They are recognized and used by most, if not all, specifiers of treated wood including electrical utility, marine, road and building construction as well as by local, state and federal governments. For more information visit www.awpa.com.

AMERICAN NATIONAL STANDARD

Approval of an American National Standard requires review by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer.

Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made towards their resolution.

The use of American National Standards is completely voluntary; their existence does not in any respect preclude anyone, whether he has approved the standards or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards.

The American National Standards Institute does not develop standards and will in no circumstance give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of the American National Standards Institute. Requests for interpretations should be addressed to the secretariat or sponsor whose name appears on the title page of this standard.

CAUTION NOTICE: This American National Standard may be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken periodically to reaffirm, revise, or withdraw this standard. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.

Notice of Disclaimer & Limitation of Liability

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, WITH RESPECT TO ANY CLAIM, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES ANY AND ALL USE OF OR RELIANCE UPON THIS INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

NOTE - The user's attention is called to the possibility that compliance with this standard may require use of an invention covered by patent rights. By publication of this standard, no position is taken with respect to whether use of an invention covered by patent rights will be required, and if any such use is required no position is taken regarding the validity of this claim or any patent rights in connection therewith.

05.5.2010, Wood Ground Wire Moulding – Specifications and Dimensions.

Is an American National Standard developed by the ASC O5 – Wood Poles and Wood Products.

Published by
American Wood Protection Association
P.O. Box 30774
Birmingham, AL 35236

Copyright © 2011 by American Wood Protection Association

All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact AWPA at 205.773.4077. AWPA is online at <http://www.awpa.com>.

Printed in the United States of America.

O5.5.2010

American National Standard for Telecommunications

WOOD GROUND WIRE MOULDING – SPECIFICATIONS & DIMENSIONS

Secretariat

American Wood Protection Association

Approved June 9, 2010

American National Standards Institute, Inc.

Abstract

This standard provides minimum specifications for the quality and dimensions of wood moulding used to protect ground wires on utility pole structures.

FOREWORD

The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

Accredited Standards Committee O5 on Specifications for Wood Poles is accredited by the American National Standards Institute and develops standards for use by the telecommunications, utilities and other industries in areas dealing with wood poles and other wood products, including standardization of dimensional classifications, defect descriptions and limitation manufacturing practices, fiber stresses and quality assurance procedures for wood poles and other wood products used in the construction of electric supply and communication lines.

ANSI guidelines specify two categories of requirements: mandatory and recommendation. The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

Suggestions for improvement of this document are welcome. They should be sent to the American Wood Protection Association, P.O. Box 361784, Birmingham, AL 35236 <www.awpa.com>.

At the time of consensus on this document, ASC O5, which was responsible for its development, had the following roster:

Voting Affiliation	Representatives
A.W. Williams Inspection Co, Inc.	E.D. Williams Jr. E.D. Williams (Alt)
Alabama Power Company	Robert Patterson
American Inst. Of Timber Construction	Jeff Linville Ron Goff (Alt)
American Transmission Company	Robert Kluge
American Wood Protection Assn.	Colin McCown
APA - The Engineered Wood Assn.	Borjen Yeh
Bell Lumber & Pole Company	Todd Brown
Brooks Manufacturing	Shannon Terrell Dwayne Carter (Alt)
ComEd Distribution Engineering	David D'Hooge
Cox Industries	James Healey Byron Altman (Alt)
East Otter Tail Telephone Co.	Allen Long
Edison Electric Institute	Gregory Benchain
EDM International	Bob Nelson Andrew Steward (Alt)
Electric T&D	Andy Hopkins
Hughes Brothers, Inc.	Stephen Smith
Intec Services	Andrew Kudick
Laminated Wood Systems, Inc.	Robert Reisdorff
Langdale Forest Products Co	Jim Hickman C. Eric Hall (Alt)
McFarland Co.	Les Lonning
McIntyre Associates, Inc.	Craig McIntyre
Minnesota Power	Reed Rosandich
Mississippi State University	H. Michael Barnes
National Rural Electric Coop. Assoc.	James Carter Nick Klein (Alt)

Voting Affiliation	Representatives
North American Wood Pole Council	H. Martin Rollins Carl Johnson (Alt)
Oregon State University	Jeffrey Morrell
Osmore Utility Services, Inc.	Nelson Bingel, III
Outside Plant Consulting Services, Inc.	Larry Slavin
PIS Power	Bill Latunen
Poger International	Mary Jo Rodgers J.R. Gonzales (Alt)
Rural Utilities Services	H. Robert Lash
Southern California Edison	Arthur Peralta Brian Flynn (Alt)
Southern Pressure Treaters Assn.	Joseph Wheat Tom Greene (Alt)
State University of NY	Robert Meyer
T.R. Miller Mill Company	Ron Cauley
Telcordia Technologies	Trevor Bowmer
The Oeser Company	Tim Durbin
Timber Piling Council	Dean Matthews
Timber Products Inspection	Mike Dilbeck
University of Canterbury	David Carradine
University of New Brunswick	Y.H. Chui
Western Area Power Administration	Gerald Paulson Karen Rowe (Alt)
Western Red Cedar Pole Assn.	Steve Kracht
Western Wood Preservers Institute	Robert West
Wood Preservation Canada	Henry Walthert Craig Frohlich (Alt)

TABLE OF CONTENTS

1 SCOPE..... 1

2 NORMATIVE REFERENCES 1

3 MATERIAL & DIMENSIONS 1

 3.1 WOOD SPECIES 1

 3.2 DIMENSIONS (DRY), DRESSED, & BEVELED 1

 3.3 TOLERANCES 2

 3.4 LENGTHS 2

4 QUALITY OF LUMBER..... 2

 4.1 KNOTS 2

 4.2 CHECKS 2

 4.3 DECAY..... 2

 4.4 BARK 2

 4.5 WARP 2

 4.6 CROSS GRAIN 2

5 MOISTURE CONTENT..... 3

6 MANUFACTURING REQUIREMENTS 3

 6.1 WORKMANSHIP..... 3

 6.2 DETAILS 3

7 PRESERVATIVE TREATMENT..... 3

8 RESULTS OF TREATMENT 3

 8.1 DEPTH OF PENETRATION 3

 8.1.1 *Sampling Method* 3

 8.1.2 *Surrogate Method* 3

 8.2 DETERMINATION OF RETENTION 4

 8.2.1 *Sampling Method* 4

 8.2.2 *Surrogate Method* 4

 8.3 EFFECTS OF TREATMENTS AND CLEANLINESS 4

9 STORAGE..... 4

TABLE OF FIGURES

FIGURE 1 - DIMENSIONS FOR WOOD GRADED WIRE MOULDING 5