

Timber poles for overhead lines — Test methods — Determination of modulus of elasticity, bending strength, density and moisture content

The European Standard EN 12509:2001 has the status of a
British Standard

ICS 29.240.20; 79.080

National foreword

This British Standard is the official English language version of EN 12509:2001.

The UK participation in its preparation was entrusted by Technical Committee B/518, Structural timber, to Subcommittee B/518/5, Wood poles for power and telecommunications, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Building and Civil Engineering Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 05 April 2002

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 14, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 05 April 2002

ISBN 0 580 39460 3

English version

Timber poles for overhead lines - Test methods - Determination
of modulus of elasticity, bending strength, density and moisture
content

Poteaux en bois pour lignes aériennes - Méthodes d'essai -
Détermination du module d'élasticité, de la résistance à la
flexion, de la masse volumique et de la teneur en humidité

Holzmasse für Freileitungen - Prüfverfahren - Bestimmung
des Elastizitätsmoduls, der Biegefestigkeit, der Dichte und
des Feuchtigkeitsgehalts

This European Standard was approved by CEN on 13 October 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Symbols	6
5 Requirements for determination of sizes, moisture content and density	7
5.1 Determination of sizes.....	7
5.2 Determination of moisture content	7
5.3 Determination of density.....	7
6 Test method for bending properties	8
6.1 Principle.....	8
6.2 Preparation.....	8
6.3 Apparatus	9
6.4 Procedure.....	9
6.5 Results	10
6.6 Test report	11
6.6.1 Test material	11
6.6.2 Test procedure.....	11
6.6.3 Test results	11
Annex A (informative) Example of suitable cantilever bending test method	13
Bibliography	14

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 124 "Structural timber", the secretariat of which is held by DS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

This standard includes an informative annex A describing a suitable test method for cantilever bending.

This standard includes a Bibliography.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This standard is one of five standards covering requirements for visual or machine grading, test methods, determination of characteristic values, methods of specifying durability and sizes.