



SWEDISH
STANDARDS
INSTITUTE

SVENSK STANDARD SS-EN 15146:2006

Fastställd 2006-12-21

Utgåva 1

**Trävaror – Hyvlade paneler och beklädnadsvirke
av barrträ utan spont**

**Solid softwood panelling and cladding –
Machined profiles without tongue and groove**

ICS 79.080

Språk: engelska

Publicerad: februari 2007

Europastandarden EN 15146:2006 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 15146:2006.

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EUROPEAN STANDARD

EN 15146

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2006

ICS 79.080

English Version

Solid softwood panelling and cladding - Machined profiles without tongue and groove

Lambris et bardages en bois massif résineux - Profilés
usinés sans rainure et languette

Innen- und Außenbekleidungen aus massivem Nadelholz -
Profilholz ohne Nut und Feder

This European Standard was approved by CEN on 5 November 2006.

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Foreword

This document (EN 15146:2006) has been prepared by Technical Committee CEN/TC 175 “Round and sawn timber”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

This standard is one of a series of standards concerning solid wood panelling and cladding and wood flooring (including parquet).

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

EN 15146:2006 (E)

Introduction

This standard describes characteristics of solid softwood panelling and cladding based on individual elements.

1 Scope

This European Standard defines the characteristics of solid wood panelling and cladding without tongue and groove on edges, machined from the following most common European species of softwood: spruce/fir, pine, larch, European Douglas fir and maritime pine.

Products are intended for interior or exterior use.

Coatings and finishings are not dealt with in this European Standard.

NOTE products sold in the European Economic Area will have to comply with EN 14915.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 350-2, *Durability of wood and wood-based products - Natural durability of solid wood - Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe*

EN 844-3:1995, *Round and sawn timber - Terminology - Part 3: General terms relating to sawn timber*

EN 844-4:1997, *Round and sawn timber - Terminology - Part 4: Terms relating to moisture content*

EN 844-5:1997, *Round and sawn timber - Terminology - Part 5: Terms relating to dimensions of round timber*

EN 844-6:1997, *Round and sawn timber - Terminology - Part 6: Terms relating to dimensions of sawn timber*

EN 844-7:1997, *Round and sawn timber - Terminology - Part 7: Terms relating to anatomical structure of timber*

EN 844-8:1997, *Round and sawn timber - Terminology - Part 8: Terms relating to features of round timber*

EN 844-9:1997, *Round and sawn timber - Terminology - Part 9: Terms relating to features of sawn timber*

EN 844-10:1998, *Round and sawn timber - Terminology - Part 10: Terms relating to stain and fungal attack*

EN 844-11:1998, *Round and sawn timber - Terminology - Part 11: Terms relating to degrade by insects*

EN 844-12:2000, *Round and sawn timber - Terminology - Part 12: Additional terms and general index*

EN 1309-1:1997, *Round and sawn timber- Method of measurement of dimensions – Part 1: Sawn timber*

EN 1310:1997, *Round and sawn timber - Method of measurement of features*

EN 13183-1, *Moisture content of a piece of sawn timber – Part 1: Determination by oven dry method*

EN 13183-2, *Moisture content of a piece of sawn timber – Part 2: Estimation by electrical resistance method*

EN 13556, *Round and sawn timber – Nomenclature of timbers used in Europe*

EN 13647, *Wood and parquet flooring and wood panelling and cladding – Determination of geometrical characteristics*

EN 13756:2002, *Wood flooring – Terminology*

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3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 13756:2002, EN 844-3:1995, EN 844:1997 parts 4 through 9, EN 844:1998 parts 10 and 11, EN 844-12:2000, EN 1309-1:1997 and the following apply.

3.1

panelling and cladding without tongue and groove

boards of solid wood without “tongue and groove” which have been machined on the face and two edges.

NOTE The back is either machined or hit and/or missed, depending on the product. For special purposes (for instance, acoustic) the edges may have fastening slots. The ends of the boards may be end matched

3.2

end matching

any profile for connection at the end of the panelling or cladding including tongue and/or groove

3.3

panelling

elements of solid wood mainly for interior use

3.4

cladding

elements of solid wood mainly for exterior use

3.5

face

visible surface of an element

NOTE Includes edges and chamfer.

4 Symbols and abbreviations

Symbols and abbreviations used in this European Standard are given in Figure 1 and in Table 3 and Table 4.

5 Requirements

5.1 General

The softwood species shall be selected with regard to the appearance expected, the suitability for the intended purpose and the general characteristics of the species itself. All requirements apply at the time of production unless the manufacturer states otherwise.

5.2 Appearance and finishing

5.2.1 General

Grading applies to the face only, unless otherwise specified. Machining requirements are covered in 5.4.4 and apply to all grades of all species.

Natural variation within a single species is generally accepted as a common feature of wood and is not considered for classification of appearance, with the exception of free grade.

Measuring features shall be in accordance with EN 1310. Concerning knots the general method in EN 1310:1997, 4.1.1, applies.

The boards may be finished with surface coating. The grading shall be done before coating.