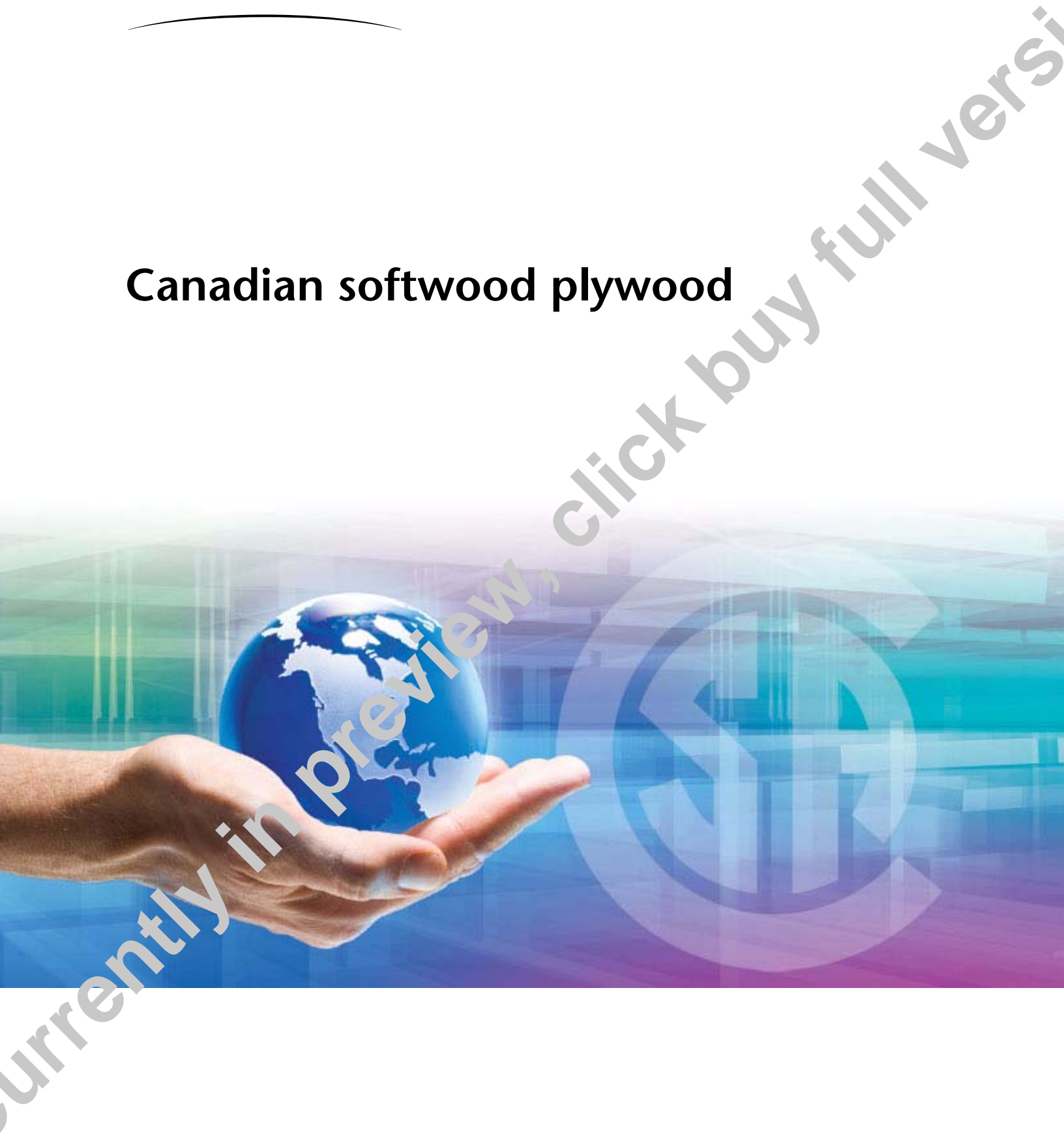


Canadian softwood plywood



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Canadian softwood plywood



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Preface

This is the fourth edition of CSA O151, *Canadian softwood plywood*. It supersedes the previous editions published in 2004, 1978, and 1974.

This Standard specifies an in-plant production and quality control system that includes auditing and control by a recognized certification body. It also provides a mechanism for the specification, quality control, and certification of custom grades and allows the use of alternative overlay systems.

In addition, this Standard revises the panel and veneer grade requirements and their identification. Panel construction requirements have also been revised, and flexibility of species use has been enhanced. The thickness tolerances for panels greater than 20.5 mm in thickness have been changed and more flexible panel marking requirements have been introduced. The impact of these changes on the design capacities of typical Canadian softwood plywood products is minimal or null.

This Standard was prepared by the Subcommittee on Plywood, under the jurisdiction of the Technical Committee on Wood Based Panels and the Strategic Steering Committee on Forest Products, and has been formally approved by the Technical Committee.

October 2009

Notes:

- (1) Use of the singular does not exclude the plural (and vice versa) when the sense allows.
- (2) Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.
- (3) This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.
- (4) CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee.
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Requests for interpretation should
 - (a) define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;
 - (b) provide an explanation of circumstances surrounding the actual field condition; and
 - (c) be phrased where possible to permit a specific “yes” or “no” answer.

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are published in CSA's periodical Info Update, which is available on the CSA Web site at www.csa.ca.

O151-09

Canadian softwood plywood

1 Scope

1.1

This Standard applies to exterior bond, all-veneer plywood that has a minimum of three plies and whose outermost plies have parallel grain direction.

1.2

This Standard specifies requirements for

- (a) a quality system;
- (b) ply species;
- (c) materials;
- (d) panel construction;
- (e) bonding;
- (f) veneer and panel grades;
- (g) dimensions and tolerances;
- (h) marking; and
- (i) testing.

1.3

In CSA Standards, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard. Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material. Notes to tables and figures are considered part of the table or figure and may be written as requirements. Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

FPIinnovations — Forintek Division

SP-18R (1986)

Evaluation procedures for synthetic patching materials for repairs to plywood panels

ISO/IEC (International Organization for Standardization/International Electrotechnical Commission)

Guide 65:1996

General requirements for bodies operating product certification systems

NIST (National Institute of Standards and Technology)

PS 1-07

Structural Plywood