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Plywood — Tolerances on dimensions

Contreplaqué — Tolérances sur dimensions

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 1954 was prepared by Technical Committee ISO/TC 89, *Wood-based panels*, Subcommittee SC 3, *Plywood*.

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Plywood — Tolerances on dimensions

1 Scope

This International Standard specifies dimensional tolerances of plywood panels (length, width, thickness) and tolerances for squareness and edge straightness.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 9425:1989, *Wood-based panels — Determination of moisture content*

ISO 9426-1:1989, *Wood-based panels — Determination of dimensions — Part 1: Determination of thickness, width and length.*

3 Moisture content of panels

Moisture content shall be measured in accordance with ISO 9425. Tolerances are fixed with regard to a reference moisture content of $(10 \pm 2) \%$.

4 Tolerances on length and width

Length and width shall be measured in accordance with ISO 9426-1.

Tolerances on nominal size: $\pm 3,5$ mm.

5 Tolerances on thickness

Thickness shall be measured in accordance with ISO 9426-1.

Table 1 — Tolerances

Dimensions in millimetres

Nominal thickness (<i>t</i>)	Unsanded panels		Sanded panels	
	Thickness tolerance within one panel	Tolerance on nominal thickness	Thickness tolerance within one panel	Tolerance on nominal thickness
$3 \leq t \leq 12$	1,0	$+ (0,8 + 0,03 \ t)$ $- (0,4 + 0,03 \ t)$	0,6	$+ (0,2 + 0,03 \ t)$
$12 < t \leq 25$	1,5			$- (0,4 + 0,03 \ t)$
NOTE Some uses of plywood may require narrower tolerances; see specific standards for board types.				

6 Tolerance on straightness of edges

Measurement of the straightness of the edges will be the subject of a future International Standard.

Tolerance: 1 mm/m.

7 Tolerance on squareness

Measurement of squareness will be the subject of a future International Standard.

Tolerance: 1 mm/m.