
Plywood — Bonding quality —

**Part 1:
Test methods**

Contreplaqué — Qualité de collage —

Partie 1: Méthodes d'essai



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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.

Attention is drawn to the possibility that some of the elements of this part of ISO 12466 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 12466-1 was prepared by Technical Committee ISO/TC 89, *Wood-based panels*, Subcommittee SC 3, *Plywood*.

ISO 12466 consists of the following parts, under the general title *Plywood — Bonding quality*:

- *Part 1: Test methods*
- *Part 2: Requirements*

Annex A forms a normative part of this part of ISO 12466.

Plywood — Bonding quality —

Part 1: Test methods

1 Scope

This part of ISO 12466 specifies methods for determining the bonding quality of veneer plywood by shear testing.

NOTE If it is proved that there is a correlation between the methods defined in this part of ISO 12466 and other methods, these may be used.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 12466. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 12466 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 12466-2, *Plywood — Bonding quality — Part 2: Requirements*.

EN 326-1:1994, *Wood-based panels — Sampling, cutting and inspection — Part 1: Sampling and cutting of test pieces and expression of test results*.

3 Test pieces

3.1 Sampling

Sampling of veneer plywood panels shall be in accordance with EN 326-1.

Test pieces shall be without any visible defect in the testing area.

3.2 Shape and size

The test pieces shall be prepared as shown in Figure 1.

Each test piece shall be cut so that the grain direction of the layer (ply) between the gluelines under test is perpendicular to the length of the test piece.

The test pieces shall be prepared and nicking (saw cuts) made to allow the examination of each glueline of the panel.

The saw cuts shall extend inside the layer.

Test pieces of full-panel thickness may be used for panels with three to nine layers (plies). For panels of more than nine layers, excess layers shall be removed by planing, cutting or sanding.