INTERNATIONAL STANDARD ISO 3804

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Plywood — Determination of dimensions of test pieces

Contreplaqué — Détermination des dimensions des éprouvettes

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3804 was developed by Technical Committee ISO/TC 139, *Plywood*, and was circulated to the member bodies in June 1975.

It has been approved by the member bodies of the following countries :

Austria	India	South Africa, Rep. of
Belgium	Iran	Spain
Brazil	Israel	Sweden
Bulgaria	Italy	Turkey
Canada	Mexico	United Kingdom
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Germany	Portugal	
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The member bodies of the following countries expressed disapproval of the document on technical grounds :

Australia
France

Printed in Switzerland

Plywood — Determination of dimensions of test pieces

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a method for measuring the thickness, length and width of test pieces of plywood panels, defined in ISO 2074.

2 REFERENCES

ISO 2074, *Plywood — Vocabulary.*

ISO . . ., *Plywood — Sampling, cutting and inspection.*[1)]

3 APPARATUS

3.1 Dial micrometer having flat and parallel circular measuring surfaces of 16 ± 1 mm diameter (approximately 200 mm²[2)]). The graduation of the apparatus shall allow a reading

— to an accuracy of 0,01 mm for test pieces with a thickness ⩽ 7 mm;

— to an accuracy of 0,05 mm for test pieces with a thickness > 7 mm.

3.2 Sliding caliper or any other instrument with measuring surfaces of at least 5 mm width and graduated to allow a reading to an accuracy of 0,1 mm.

3.3 Balance allowing a reading to an accuracy of 0,01 g.

4 SAMPLING, TEST PIECES AND CONDITIONING

4.1 Sampling and cutting

Sampling and cutting of test pieces shall be carried out in accordance with ISO . . .

4.2 Test pieces

The dimensions of the test pieces shall be in accordance with those specified in the relevant test method.

4.3 Conditioning

The test pieces shall be conditioned to constant mass[2)] in an atmosphere of relative humidity 65 ± 5 % and temperature 20 ± 2 °C.

5 PROCEDURE

5.1 For measuring the thickness, apply the measuring surfaces of the micrometer slowly to the test piece and at a pressure of approximately 0,02 MPa.*

5.2 For measuring the length and width, apply the jaw of the sliding caliper slowly and without excessive pressure to the test piece at an angle of approximately 45 °C to the plane of the test piece (see the figure).

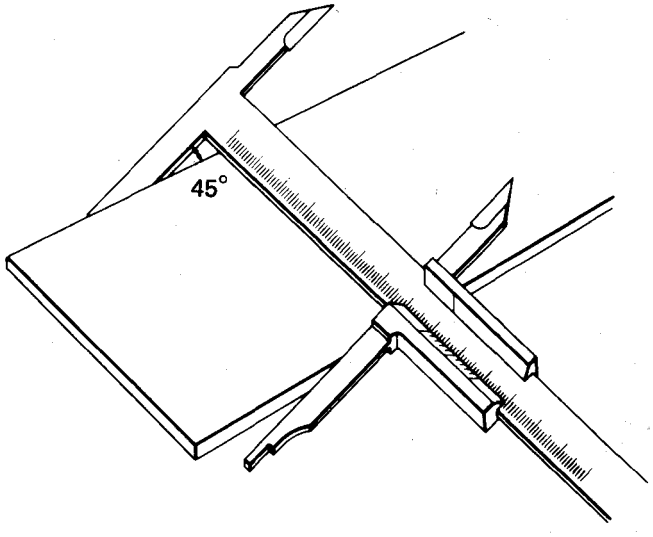

FIGURE — **Inclination of sliding caliper to plane of test piece**

5.3 The number and positions of the measuring points shall be in accordance with the International Standard concerning the particular test method for plywood for which the measurements are required.

1) In preparation.

2) Constant mass is considered to be reached when the results of two successive weighing operations, carried out at an interval of 24 h, do not differ by more than 0,1 % of the mass of the test piece.

* 1 MPa = 1 N/mm²