INTERNATIONAL STANDARD 768

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Fibre building boards — Determination of bending strength

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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 768 was drawn up by Technical Committee ISO/TC 89, *Fibre building boards.*

This International Standard is the revision of ISO Recommendation R 768-1968. As the Members of ISO/TC 89 considered the amendments made to that ISO Recommendation to be of minor importance, International Standard ISO 768 was submitted direct to the ISO Council under the abbreviated procedure (ISO Directives, Clause F.7.1).

This International Standard cancels and replaces ISO Recommendation R 768-1968, which was approved in October 1965 by the Member Bodies of the following countries :

Argentina	Germany	Romania
Australia	Hungary	South Africa, Rep. of
Austria	India	Spain
Belgium	Ireland	Sweden
Brazil	Israel	Switzerland
Canada	Japan	United Kingdom
Czechoslovakia	Netherlands	U.S.S.R.
Egypt, Arab. Rep. of	New Zealand	Yugoslavia
Finland	Poland	
France	Portugal	

No Member Body expressed disapproval of the document.

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Fibre building boards — Determination of bending strength

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a method of determining the bending strength of fibre building boards, defined in ISO/R 818.

2 REFERENCES

ISO 766, *Fibre building boards — Determination of dimensions of test pieces.*

ISO/R 818, *Fibre building boards — Definition — Classification.*

ISO . . ., *Fibre building boards — Sampling, cutting and inspection.* (In preparation.)

3 PRINCIPLE

Placing a test piece on two supports.

Applying a load in its centre until failure.

Calculating the bending strength from the maximum load, the distance between the supports, and the width and the thickness of the test piece.

4 APPARATUS

4.1 Measuring instruments, as specified in ISO 766.

4.2 Testing apparatus (see Figure 1), having essentially

4.2.1 Two parallel cylindrical supports adjustable in the horizontal plane having a length exceeding 75 mm and a diameter D of

— 15 ± 0.5 mm, if the thickness of the test piece is $\leqslant 7$ mm,

— 30 ± 0.5 mm, if the thickness of the test piece is > 7 mm or $\leqslant 20$ mm,

— 50 ± 0.5 mm, if the thickness of the test piece is > 20 mm.

4.2.2 A loading head, placed parallel to the supports and equidistant to them, adjustable in the vertical plane, and having the same length and radius as those of the supports.

NOTE — For the test of test pieces of soft boards it is recommended to place a support of steel with a thickness < 1.0 mm on each cylindrical support, as shown in Figure 1a).

Dimensions in millimetres

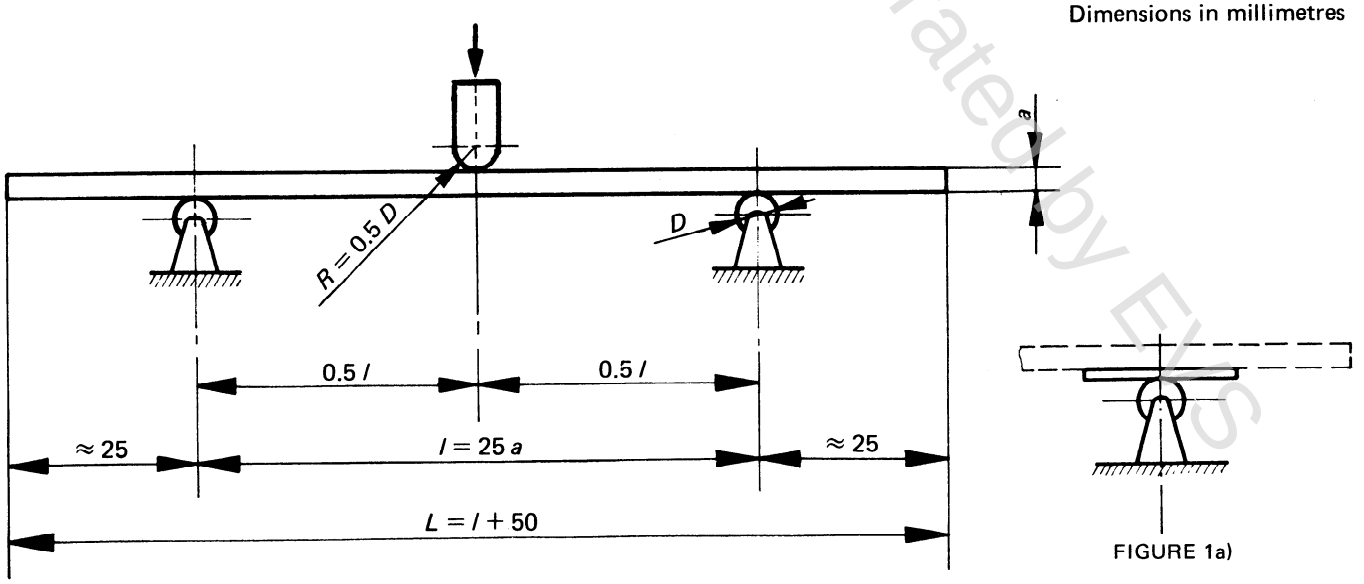

FIGURE 1

FIGURE 1a)