

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 2077**

PURE EXPANDED CORKBOARD

DETERMINATION OF THE MODULUS OF RUPTURE BY BENDING

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 2077, *Pure expanded corkboard – Determination of the modulus of rupture by bending*, was drawn up by Technical Committee ISO/TC 87, *Cork*, the Secretariat of which is held by the Repartição de Normalização (IGPAI).

Work on this question led to the adoption of Draft ISO Recommendation No. 2077, which was circulated to all the ISO Member Bodies for enquiry in July 1970. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Bulgaria	Iran	Spain
Czechoslovakia	Italy	U.A.R.
France	Poland	United Kingdom
Greece	Portugal	

The following Member Body opposed the approval of the Draft :

South Africa, Rep. of

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

PURE EXPANDED CORKBOARD

DETERMINATION OF THE MODULUS OF RUPTURE BY BENDING

1. SCOPE

This ISO Recommendation specifies the method of determination of the modulus of rupture by bending of pure expanded corkboard.

2. FIELD OF APPLICATION

This method applies solely to pure expanded corkboard with a thickness of 20 mm and over.

3. APPARATUS

- 3.1 *Bending machine*, sensitive to 0.1 daN, provided with a fixed head and a mobile head, the latter moving vertically at the speed of 30 cm/min.

The fixed head has two cylindrical steel supports with a diameter of 20 ± 2 mm on which the test piece is freely placed, the distance between them being adjustable. The mobile head has a fitting similar to each of the supports, and parallel to and equidistant from them.

- 3.2 *Metal ruler*, graduated in half-millimetres.

- 3.3 *Electrical disc-saw*.

4. SAMPLING

Operate as prescribed in the ISO Recommendation for the pure expanded corkboard being tested.

5. PROCEDURE

5.1 **Test pieces**

From each board being tested, cut out with the saw (3.3) a test piece having a breadth of 75 mm, a thickness equal to that of the board to which it belongs (minimum 20 mm) and a length not less than seven times the nominal thickness of the board.

5.2 **Determination**

Make the tests at room temperature and humidity.

After having measured the linear dimensions with the ruler (3.2), place each test piece on the fixed supports of the bending machine (3.1), the axis-to-axis distance of which is equal to five times the nominal thickness of the board.

Apply the mobile head on the test piece and record the value of the force which produces rupture.