**Draft for Public Comment**

Form 36

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**BSI Group Headquarters**

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000
Fax: +44 (0)20 8996 7400
www.bsigroup.com

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Responsible committee: PAI/11 Methods of test for paper, board and pulps

Interested committees:

Title: Draft BS ISO 16260 Paper and board. Determination of internal bond strength.

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**Introduction**

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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**Template for comments and secretariat observations**

| Date: xx/xx/20xx | Document: ISO/DIS xxxx |
|---|---|

| 1 | 2 | (3) | 4 | 5 | (6) | 7 |
|---|---|---|---|---|---|---|
| **MB** | Clause No./ Subclause No./Annex **(e.g. 3.1)** | Paragraph/ Figure/Table/Note | **Type of comment** | **Commend (justification for change) by the MB** | **Proposed change by the MB** | **Secretariat observations on each comment submitted** |
| | 3.1 | Definition 1 | ed | Definition is ambiguous and needs clarifying. | Amend to read '...so that the mains connector to which no connection...' | |
| | 6.4 | Paragraph 2 | te | The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK. | Delete reference to UV photometer. | |

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# DRAFT International Standard

# ISO/DIS 16260

## Paper and board — Determination of internal bond strength

*Papier et carton — Détermination de la force de cohésion interne*

ICS: 85.060

ISO/TC **6**/SC **2**

Secretariat: **SIS**

Voting begins on:
**2024-09-05**

Voting terminates on:
**2024-11-28**

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# Contents

Page

**Foreword** ... **iv**
**Introduction** ... **v**
**1 Scope** ... **1**
**2 Normative references** ... **1**
**3 Terms and definitions** ... **1**
**4 Principle** ... **2**
**5 Apparatus and technical data** ... **2**
5.1 Apparatus ... 2
5.2 Technical data ... 5
5.2.1 Instrument/pendulum ranges ... 5
5.2.2 Aluminium platen/anvil ... 5
5.2.3 Pendulum ... 5
5.2.4 Adhesive tape ... 6
5.2.5 Test piece ... 7
**6 Sampling** ... **7**
**7 Conditioning** ... **7**
**8 Preparation of test assemblies** ... **7**
8.1 Preparation of stripes ... 7
8.2 Load of preparation station ... 7
8.3 Operation of preparation station ... 7
8.4 Separation of the test pieces ... 8
**9 Calibration** ... **8**
**10 Procedure** ... **8**
10.1 Atmospheric conditions ... 8
10.2 Selection of instrument range ... 8
10.3 Horizontal position of the pendulum ... 8
10.4 First test assembly ... 8
10.5 Release of the pendulum ... 8
10.6 Examination of the test piece ... 8
10.7 Notation of the test value ... 9
10.8 Repetition ... 9
10.9 Use of test pieces of high internal bond strength ... 9
**11 Expression of results** ... **9**
11.1 Mean value ... 9
11.2 Standard deviation ... 9
**12 Test report** ... **9**
**Annex A** (normative) **Maintenance and calibration** ... **11**
**Annex B** (informative) **Precision** ... **13**
**Annex C** (informative) **Verification of device compliance with a standard** ... **15**
**Bibliography** ... **17**

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 2, *Test methods and quality specifications for paper and board*.

This second edition cancels and replaces the first edition (ISO 16260:2016), which has been technically revised.

The main changes are as follows:

— Addition of ISO and IEC databases in clause 3;

— Addition of new subclauses 5.1.6.1 “Analog ply bond device” and 5.1.6.2 “Digital ply bond device”;

— Update of the contact force (former mass) in table 1;

— Addition of new subclause 5.2.3.1 “Reduced pendulum length”;

— Revision of table A.1 “Values for measuring ranges 1 and 2”;

— editorial changes.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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# Introduction

Paper and board sheets may, during printing, conversion or specific product applications, be subjected to impulses, impacts or shock loads of sufficient magnitude to cause structural failure. Commonly observed in-plane structural failures include surface picking, blistering and interior delimitation.

This document describes one method for determining the internal bond strength of a product of pulp, paper or board. There are other published methods[4][8] for determining “Z” or thickness direction tensile strength, but in this method, the delaminating force is applied at a rate very much higher than in other methods. This method can, therefore, be preferred for predicting sheet performance under printing or converting conditions.

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