

Air permeance of paper and board —

**Part 3: Method for determination of air
permeance using the Gurley
apparatus —**

**[ISO title: Paper and board —
Determination of air permeance
(medium range) — Part 5: Gurley
method]**

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Paper and Printing Standards Committee (PAM/-) to Technical Committee PAM/11 upon which the following bodies were represented:

- British Fibreboard Packaging Association
- British Paper and Board Industry Federation (PIF)
- British Printing Industries Federation
- British Telecommunications plc
- Envelope Makers' and Manufacturing Stationers' Association
- Her Majesty's Stationery Office
- Man-made Fibres Producers' Committee
- Ministry of Defence
- Paper Sack Development Association Ltd.
- PIRA (the Research Association for the Paper and Board, Printing and Packaging Industries)
- Post Office
- Society of British Printing Ink Manufacturers
- University of Manchester Institute of Science and Technology

This British Standard, having been prepared under the direction of the Paper and Printing Standards Committee, was published under the authority of the Board of BSI and comes into effect on 30 September 1987

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National foreword

This Part of BS 6538 has been prepared under the direction of the Paper and Printing Standards Committee. It is identical with ISO 5636-5:1986 “*Paper and board — Determination of air permeance (medium range) — Part 5: Gurley method*”, published by the International Organization for Standardization (ISO).

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “part of ISO 5636” or “International Standard” appear, referring to this Part of this British Standard, they should be read as “this Part of BS 6538”.

Cross-references

International standard	Corresponding British Standard
ISO 186:1985	BS 3430:1986 Method for sampling to determine the average quality of paper and board (Identical)
ISO 187:1977	BS 3431:1973 Method for the conditioning of paper and board for testing (Technically equivalent)
ISO 5636-1:1984	BS 6538 Air permeance of paper and board Part 1:1985 Method for determination of air permeance: general aspects of testing (Identical)

Additional information. Although this method is primarily intended for the determination of air permeance, it is recognized that “air resistance” is still frequently determined. 10.4 covers the determination and reporting of this property.

Annex B calls for the use of a 100 mL burette graduated in 0.1 mL divisions. Such burettes are extremely difficult, if not impossible, to obtain and for the purposes of this British Standard it has been agreed that Class A 100 mL burettes, which are graduated in 0.2 mL divisions are an acceptable alternative.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.