

BS ISO 8791-2:2013



BSI Standards Publication

Paper and board — Determination of roughness/ smoothness (air leak methods)

Part 2: Bendtsen method

National foreword

This British Standard is the UK implementation of ISO 8791-2:2013. It supersedes BS 4420:1990 (ISO 8791-2:1990) which is withdrawn.

This latest edition of BS ISO 8791-2 concerning Bendtsen roughness makes reference to both electronic and variable-area flow instrumentation for the first time. In doing so new material has been included to describe the electronic instrumentation. Parts of the standard related to the variable-area flow instruments were also updated, while other parts were used verbatim from previous editions.

With the paper industry constituting a global industry, the UK committee accepted that the standard should be available for use in the UK.

However, the committee's main concern is that in previous standards it was stipulated that samples of high surface roughness, sufficient to give values above 1 200 ml/min, were unsuitable for measurement using this method. In this edition an inconsistency now exists regarding roughness values. Whilst in the Scope the Bendsten roughness values are between 5 ml/min and 3 000 ml/min, Clause 10.2.2 states that users should not use airflows above 1 200 ml/min, and thus maintains the previous edition's measurement parameters.

This foreword is aimed at highlighting this issue. In particular it is aimed at advising users that whilst the Scope suggests a change in what is permitted for variable-area flow instrumentation, this is not in practice carried through in the section relating to measurement parameters, which constitutes a continuation from the previous edition.

The UK participation in its preparation was entrusted to Technical Committee PAI/11, Methods of test for paper, board and pulps.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
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