

Specification for

Airbricks and gratings for wall ventilation

ICS 91.060.10

Confirmed
January 2010

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents

AVA

Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee B/519, Masonry and associated testing, upon which the following bodies were represented:

Autoclaved Aerated Concrete Products Association
Brick Development Association
British Ceramic Research Ltd.
British Precast Concrete Federation Ltd.
Building Employers' Confederation
Concrete Block Association
Department of the Environment (Building Research Establishment)
District Surveyors' Association
Local Authority Organizations
Mortar Producers' Association Limited
National House-building Council
Royal Institute of British Architects
Stone Federation

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

British Civil Engineering Test Equipment Manufacturers' Association
Calcium Silicate Brick Association Limited
Consumer Policy Committee of BSI
Federation of Civil Engineering Contractors

This British Standard, having been prepared under the direction of the Sector Board for Building and Civil Engineering, was published under the authority of the Standards Board and comes into effect on 15 April 1995

© BSI 2010

First published June 1933
First revision March 1945
Second revision February 1967
First published as BS 493-2 December 1970
Number changed to BS 493 by amendment in November 1980
Second edition April 1995

The following BSI references relate to the work on this standard:
Committee reference B/519
Draft for comment 93/105570 DC, DC 10/30155844

ISBN 978 0 580 72795 5

Amendments issued since publication

Amd. No.	Date	Comments
A1	30 September 2010	See foreword

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 References	1
3 Definitions	1
4 Materials	1
5 Manufacturer's certificate	2
6 Marking	2
7 Airbricks for external use (class 1 units)	2
8 Wall ventilators or gratings for internal use (class 2 units)	3
Annex A (informative) Information to be supplied by the purchaser for the purpose of an order or enquiry	5
Annex B (normative) Test for impact resistance of airbricks	5
Figure 1 — Square hole design	2
Figure 2 — Rectangular hole design	2
Figure 3 — Louvre design	3
Figure B.1 — Falling ball impact apparatus	6
Table 1 — Dimensions of airbricks	3
Table 2 — Unobstructed air space (minimum)	3
Table 3 — Dimensions of ventilators or gratings	4
Table 4 — Unobstructed air space (minimum)	4
List of references	Inside back cover

Foreword

BS 493:1995+A1:2010 supersedes BS 493:1995, which is withdrawn.

The start and finish of text introduced or altered by Amendment No. 1 is indicated in the text by tags **A1** **A1**. Minor editorial changes are not tagged.

Amendment No. 1 has updated all references in Clause 4 and the Normative references.

The present standard is in accordance with the requirements and recommendations for the co-ordination of dimensions in building given in BS 6750 and BS 6954-1 to BS 6954-3 respectively.

Some typical examples of airbricks are illustrated, but it is not possible to include the wide range of patterns which can conform to this standard.

Product certification. Users of the British Standard are advised to consider the desirability of third party certification of product conformity with this British Standard based on testing and continuing product surveillance which may be coupled with assessment of a supplier's quality systems against the appropriate Part of BS 5750.

Enquiries as to the availability of third party certification schemes are forwarded by BSI to the Association of British Certification Bodies. If a third party certification scheme does not already exist, users should consider approaching an appropriate body from the list of Association members.

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

Compliance with a British Standard cannot 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.