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SPECIFICATION FOR
**AIRBRICKS AND
GRATINGS FOR WALL
VENTILATION**

[REDACTED]



BRITISH STANDARDS INSTITUTION

SPECIFICATION FOR
AIRBRICKS AND GRATINGS
FOR WALL VENTILATION



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The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

A complete list of British Standards, numbering over 5000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, price £1. The BS Yearbook may be consulted in many public libraries and similar institutions.

This standard makes reference to the following British Standards:

BS 729. Hot dip galvanized coatings on iron and steel articles.

BS 882, 1201. Aggregates from natural sources for concrete (including granolithic).

BS 1014. Pigments for Portland cement and Portland cement products.

BS 1040. Raw copper. 99.50 per cent tough pitch copper.

BS 1191. Gypsum building plasters.

BS 1449. Steel plate, sheet and strip.

BS 1452. Grey iron castings.

BS 1490. Aluminium and aluminium alloy ingots and castings.

BS 2782. Methods of testing plastics.

Methods 320A to 320F. Tensile strength, elongation and elastic modulus.

BS 2989. Hot-dip zinc coated steel sheet and coil.

BS 4011. Recommendations for the co-ordination of dimensions in building. Co-ordinating sizes for building components and assemblies.

The following BSI reference relates to the work on this standard :
Committee reference HIB/1 (now ECB/40).



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CO-OPERATING ORGANIZATIONS

The Hardware and Ironmongery Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives of the following Government departments and scientific and industrial organizations:

- Association of Builders' Hardware Manufacturers
- *British Ironfounders' Association
- British Lock and Latch Manufacturers' Association
- British Plastics Federation
- *British Steel Industry
- Copper Development Association
- Guild of Architectural Ironmongers
- Greater London Council
- *Institution of Municipal Engineers
- Metal Window Federation of Great Britain
- Metropolitan Police
- Ministry of Public Building and Works
- Ministry of Public Building and Works—Building Research Station
- National Brassfoundry Association
- *National Federation of Builders' and Plumbers' Merchants
- National Federation of Building Trades Employers
- National Federation of Ironmongers
- *Royal Institute of British Architects
- The Royal Institution of Chartered Surveyors
- Zinc Development Association

The scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Brick Development Association Ltd
- British Precast Concrete Federation
- Incorporated Association of Architects and Surveyors
- Modular Society
- National Clayware Federation

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BRITISH STANDARD SPECIFICATION FOR

AIRBRICKS AND GRATINGS FOR

WALL VENTILATION

FOREWORD

This British Standard was re-issued in 1967 covering internal and external units with a wide variety of materials. The present standard is a metric revision of the 1967 edition and is in accordance with the recommendations for the co-ordination of dimensions in building given in BS 4011*, PD 6432† and DD 22 ‡. Consideration has also been given to the metric brick format of 225 mm × 112.5 mm × 75 mm.

The dimensional co-ordination recommendations of Technical Committee B/94, 'Modular co-ordination in building', are embodied where appropriate to this standard.

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

When BS 493 : Part 1 : 1967 'Imperial units' was withdrawn in 1980, Part 2 : 1970 'Metric units' was renumbered 'BS 493', the reference to metric units was dropped from the title and minor corrections and up-dating references were made.

SPECIFICATION

1. GENERAL

1.1 SCOPE

This British Standard specifies requirements for two classes of wall ventilating units as follows:

Class 1. Airbricks, for use in external walls.

Class 2. Wall ventilators or gratings for internal use.

Some typical examples of designs are shown in Figs. 1, 2 and 3. Other patterns may however be supplied, provided they comply with the requirements of this standard.

Guidance on the information to be supplied by the purchaser when ordering is given in Appendix A.

*BS 4011, 'Recommendations for the co-ordination of dimensions in building. Basic sizes for building components and assemblies'.

†PD 6432, 'Dimensional co-ordination in building. Arrangement of building components and assemblies within functional groups'. Part 1, 'Functional groups 1, 2, 3 and 4'.

‡DD 22 'Recommendations for the co-ordination of dimensions in building.

Tolerances and fits for building. The calculation of work sizes and joint clearances for building components'.

