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BS 7533-7:2010



BSI Standards Publication

Pavements constructed with clay, natural stone or concrete pavers –

Part 7: Code of practice for the
construction of pavements of natural
stone paving units and cobbles, and rigid
construction with concrete block paving

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ISBN 978 0 580 67167 8

ICS 93.080.20

The following BSI references relate to the work on this standard:

Committee reference B/507

Draft for comment 09/30137914 DC

Publication history

First published October 2002

Second (present) edition, April 2010

Amendments issued since publication

Date	Text affected
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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 28, an inside back cover and a back cover.

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Publishing information

This part of BS 7533 is published by BSI and came into effect on 30 April 2010. It was prepared by Technical Committee B/507, *Paving units, kerbs, screeds and in-situ floorings*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 7533 supersedes BS 7533-7:2002, which is withdrawn.

Relationship with other publications

BS 7533 consists of the following parts:

- *Part 1: Guide for the structural design of heavy duty pavements constructed of clay pavers or precast concrete paving blocks;*
- *Part 2: Guide for the structural design of lightly trafficked pavements constructed of clay pavers or precast concrete paving blocks;*
- *Part 3: Code of practice for laying precast concrete paving blocks and clay pavers for flexible pavements;*
- *Part 4: Code of practice for the construction of pavements of precast concrete flags or natural stone slabs;*
- *Part 6: Code of practice for laying natural stone, precast concrete and clay kerb units;*
- *Part 7: Code of practice for the construction of pavements of natural stone paving units and cobbles, and rigid construction with concrete block paving;*
- *Part 8: Guide for the structural design of lightly trafficked pavements of precast concrete flags and natural stone flags;*
- *Part 9: Code of practice for the construction of rigid pavements of clay pavers;*
- *Part 10: Guide for the structural design of trafficked pavements constructed of natural stone setts and bound construction with concrete paving blocks;*
- *Part 11: Code of practice for the opening, maintenance and reinstatement of pavements of concrete, clay and natural stone;*
- *Part 12: Guide to the structural design of trafficked pavements constructed on a bound base using concrete paving flags and natural stone slabs;*
- *Part 13: Guide for the design of permeable pavements constructed with concrete paving blocks and flags, natural stone slabs and setts and clay pavers.*

Use of this document

As a code of practice, this part of BS 7533 takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

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to be able to justify any course of action that deviates from its recommendations.

It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Information about this document

This is a full revision of the standard, which has been updated to include guidance for the structural design of trafficked pavements constructed of concrete paving blocks in a bound surface course.

Presentational conventions

The word "should" is used to express recommendations of this standard. The word "may" is used in the text to express permissibility, e.g. as an alternative to the primary recommendation of the clause. The word "can" is used to express possibility, e.g. a consequence of an action or an event.

Notes and commentaries are provided throughout the text of this standard. Notes give references and additional information that are important but do not form part of the recommendations. Commentaries give background information.

Contractual and legal considerations

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.

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This part of BS 7533 gives recommendations for the laying of natural stone paving units and cobbles, and rigid construction with concrete block paving intended for pavements, roads, industrial areas and other paved surfaces subjected to all categories of static and vehicular loading and pedestrian traffic.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 1338, *Concrete paving blocks – Requirements and test methods*

BS 7533-4:2006, *Pavements constructed with clay, natural stone or concrete pavers – Part 4: Code of practice for the construction of pavements of precast concrete flags or natural stone slabs*

BS 7533-10, *Pavements constructed with clay, natural stone or concrete pavers – Part 10: Code of practice for the construction of pavements of natural stone paving units and cobbles, and rigid construction with concrete block paving*

BS 7533-11, *Pavements constructed with clay, natural stone or concrete pavers – Part 11: Code of practice for the opening, maintenance and reinstatement of pavements of concrete, clay and natural stone*

BS EN 445, *Grout for prestressing tendons – Test methods*

BS EN 933-3, *Tests for geometrical properties of aggregates – Part 3: Determination of particle shape – Flakiness index*

BS 1015-11, *Methods of test for mortar for masonry – Part 11: Determination of flexural and compressive strength of hardened mortar*

BS EN 1015-12, *Methods of test for mortar for masonry – Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates*

BS EN 12350-2, *Testing fresh concrete – Part 2: Slump-test*

BS EN 12620, *Aggregates for concrete*

BS EN 13421, *Plastics – Thermoset moulding compounds – Composites and reinforcement fibres – Preparation of specimens for determining the anisotropy of the properties of compression moulding composites*

BS EN 1342, *Setts of natural stone for external paving – Requirements and test methods*

[1] HIGHWAYS AGENCY. *Manual of Contract Documents for Highway Works, Volume 1: Specification for Highway Works*, London: The Stationery Office.