

SINGAPORE STANDARD

SS 214 : 2009

(ICS 91.100.30; 93.080.20; 93.080.30)

SPECIFICATION FOR

Precast concrete kerbs

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Foreword

This Singapore Standard was prepared by the Technical Committee on Civil and Geotechnical Works under the purview of the Building and Construction Standards Committee.

This revision has been prepared to incorporate some of the latest designs and practices that are more cost effective and enhance the appearance of constructed kerbs. The following changes have been made in this revision:

- a) New designated kerb designs such as radius kerbs, dropper kerbs and channel kerbs;
- b) The determination of the strength of kerb is by bending strength or concrete core strength;
- c) The determination of water absorption is by total water absorption.

Annex A of this standard is based on BS 7263-1 : 1994 – 'Specification for precast concrete flags, kerbs, channels, edgings and quadrants' published by the British Standards Institution. Annexes C and D are reproduced from EN 1340 : 2003 – 'Concrete kerb units – Requirements and test methods', Annexes E and F with permission from CEN, Rue de Stassart 36, B-1050 Brussels.

Acknowledgement is made to BSI and CEN for the use of their materials.

At the time of publication, this standard is expected to be used as a reference in the Building and Construction Authority's Approved Document.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. SPRING Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The changes in Singapore Standards are documented through the issue of either amendments or revisions.*
2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*

Specification for precast concrete kerbs

1 Scope

This Singapore Standard specifies materials, properties, requirements and test methods for precast concrete kerbs including channel, divider and C- kerbs that are used in trafficked or paved areas.

The kerbs are used to fulfil one or more of the following:

- separation;
- physical or visual delineation;
- provision of drainage;
- containment of paved areas or other surfacing.

This standard provides for the product marking and the evaluation of conformity of the product to this standard.

This standard does not deal with the tactility or visibility of kerbs.

2 Normative references

This Singapore Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this Singapore Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

BS 2648 : 1955	Performance requirements for electrically-heated laboratory drying ovens
BS 4372 : 1968	Specification for engineers' steel measuring rules
BS 4449 : 2005	Steel for the reinforcement of concrete weldable reinforcing steel, bar, coil and decoiled product
BS 4484-1 : 1969	Specification for measuring instruments for constructional works. Metric graduation and figuring of instruments for linear measurement
BS EN 480 : 2006	Admixtures for concrete, mortar and grout
BS EN 12390 : 2009	Testing hardened concrete
BS EN 12878 : 2005	Pigments for the colouring of building materials based on cement and/or lime
SS 2 : 1999	Steel for the reinforcement of concrete
SS 32 : -	Welded steel fabric for the reinforcement of concrete
	Part 1 : 1999 – Steel grades 300 and 500
	Part 2 : 1986 – Steel grade 485
SS EN 197 : 2008	Cement
SS EN 15167 : 2008	Ground granulated blast furnace slag for use in concrete, mortar and grout
SS EN 12620 : 2008	Aggregates for concrete