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SINGAPORE STANDARD

Specification for concrete kerbs



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Foreword

This Singapore Standard was prepared by the Working Group on Specification for Precast Concrete Kerbs set up by the Technical Committee on Civil and Geotechnical Works under the purview of the Building and Construction Standards Committee.

This revision incorporates some of the latest designs and practices that enhance the productivity and sustainability of kerbs construction. The following changes have been made in this revision:

- (a) Use of an auto kerb extrusion machine for in-situ kerb construction;
- (b) Use of specially designed cement-based material for kerbs that are subject to high impact loading;
- (c) Use of recycled aggregate for kerb construction.

Permission has also been sought from the following organisations for the reproduction and adaptation of materials from their publications into this standard:

1. British Standards Limited (BSI)
 - BS 5931:1980 Code of practice for machine laid in situ edge details for paved areas
 - BS 7263-1:1994 Specification for precast concrete flags, kerbs, channels, edgings and quadrants
2. European Committee for Standardization (CEN)
 - EN 1340:2003 Concrete kerb units – Requirements and test methods

Acknowledgement is made for the use of information from the above publications.

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NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions. Where SSs are deemed to be stable, i.e. no foreseeable changes in them, they will be classified as "mature standards". Mature standards will not be subject to further review unless there are requests to review such standards.*
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Specification for concrete kerbs

1 Scope

This Singapore Standard specifies materials, properties, requirements and test methods for precast and extruded concrete kerbs including C-kerbs, divider and channel kerbs¹ that are used in areas with traffic or paved areas.

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

- Separation;
- Physical or visual delineation;
- Provision of drainage; and
- Containment of paved areas or other surfacing.

This standard provides for 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

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

BS 4372	Specification for engineers' steel measuring rules
BS 4449	Steel for the reinforcement of concrete weldable reinforcing steel, bar, coil and decoiled product
BS 4484-1	Specification for measuring instruments for constructional works. Metric graduation and figuring of instruments for linear measurement
BS EN 480	Admixtures for concrete, mortar and grout
BS EN 12350-6	Testing fresh concrete – Density
BS EN 12390	Testing hardened concrete
BS EN 12504-1	Testing concrete in structures – Cored specimens. Taking, examining and testing in compression
BS EN 12878	Pigments for the colouring of building materials based on cement and/or lime
SS 485	Specification for slip resistance classification of pedestrian surface materials
SS 560	Specification for steel for the reinforcement of concrete – Weldable reinforcing steel – Bar, coil and decoiled product

¹ See Figure B.3, Figure B.4 and B.5.

SS 561	Specification for steel fabric for the reinforcement of concrete
SS EN 197	Cement
SS EN 12620	Aggregates for concrete
SS EN 15167	Ground granulated blast furnace slag for use in concrete, mortar and grout