

SINGAPORE STANDARD

Code of practice for curtain walls

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*Renamed as SPRING Singapore with effect from 1 April 2002.

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Foreword

This Code of Practice was prepared by the Working Group on Code of Practice for Curtain Walls, appointed by the Technical Committee on Architectural Practice under the direction of the then Construction Industry Practice Committee.

In preparing this code, reference was made to the following publications:

- 1 Standard and guide to good practice on curtain walling – CWCT
- 2 Aluminium curtain wall design guide manual - AAMA

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

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

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.*
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Code of practice for curtain walls

1 Scope

This code is divided into two sections. Section One gives the criteria for performance and evaluation which are essential for curtain wall systems, whilst Section Two gives guidelines for good practices of a curtain wall system.

The primary concern of this code is vertical (or near vertical) metal-framed curtain walls.

The following are excluded from this code:

- (a) Cladding and glazing systems with a slope of less than 75 ° from the horizontal;
- (b) Patent glazing;
- (c) Structural glass assemblies;
- (d) Pre-cast concrete, brick, light weight cladding external wall constructions;
- (e) Overcladding.

Specifiers for the excluded systems may consider part of this code to be relevant to their respective specifications. However, detailed considerations of the different requirements of the different systems are considered to be outside the scope of this code.

A curtain wall is a form of vertical building enclosure system which supports no load other than its own weight and the environmental forces which act upon it. There are many different methods of curtain wall construction and many different materials can be involved. In this code, the term 'curtain wall' shall include all brackets, anchors, flashings, gutters, copings and all other components necessary for its proper construction and assembly.

NOTE – The titles of the publications referred to in this code are listed at the end of the code.