

SINGAPORE STANDARD

Specification for clay roofing tiles and fittings



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Foreword

This Singapore Standard was prepared by the Technical Committee on Floor, Wall, Ceiling and Roof Finishes under the direction of the Building Materials Product Standards Committee.

This standard is a revision of SS 70 : 1990. Particular changes from the previous edition include:

- (a) Definition
- (b) Distortion test
- (c) No. of specimens

In the preparation of this standard, reference was made to:

- (a) AS 2049 : 1992
- (b) AS 4046 : 1992
- (c) BS EN 1304-1998

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

NOTE

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

Specification for clay roofing tiles and fittings

1 Scope

This Singapore Standard specifies the minimum requirements for glazed and unglazed clay roofing tiles which include the shingle (plain), side-locking and head-and-side locking tiles (see Figure 1). It also covers their associated accessory tiles.

2 General

2.1 Manufacture

The tiles may be either hand or machine made, as may be specified, and shall be manufactured from well-weathered or well-prepared clay.

The tiles shall be well-burnt throughout and free from fine cracks, true in shape, dense, tough and when broken, show a clean fracture.

2.2 Colour

The colour of the tiles shall be agreed upon between the vendor and the purchaser at the time of placing the order.

2.3 Design

The design, pattern and texture of the tiles shall be designated by referring to the manufacturer's sample.

3 Definitions

3.1 Accessory

A moulded clay product used to finish the roof; includes apex, ridge, and barge tiles.

3.2 Batten lugs

Protrusions on the underside of tile designed to engage over the upper edge of the tiling battens.

3.3 Clay roof tile

Roofing products for discontinuous laying on pitched roofs.

3.4 Crazing

Cracks, showing as fine-line, limited to the glazed surface of a tile

3.5 Fixing hole

A hole, which is open or easily opened without damaging the tile, designed for fixing to the support.

3.6 Glaze

Vitrified covering or glass-based fired coating.