



Minimum thickness (mm) of type 1 sub-base, (consolidated in accordance with MCHW Volume 1 Clause 801, table 8/1)

The diagram illustrates a cross-section of a road construction layer. It shows a top layer of gravel, followed by a geotextile membrane, and then a sub-base layer. The gravel is compacted to ensure movement resistance. The geotextile membrane is laid over the gravel and is approved for use in accordance with SHW Clause 609. The sub-base is a permeable material, specifically min 50mm MOT Type 3, and is to be proof rolled (subject to levels) and weedkiller applied.

- Geotextile Membrane - Tensar SSLA 30 or similar approved laid over formation in accordance with SHW Clause 609
- 35-50mm gravel to be compacted to ensure movement resistance
- Permeable Sub Base min 50mm MOT Type 3
- Sub-formation to be proof rolled (subject to levels) and weedkiller applied.

Diagram illustrating the cross-section of a pile cap. The cap is shown with a sloped top surface and a vertical side. Key dimensions and components are labeled:

- 50m thk PCC Flags 5-15° from plumb:** Points to the sloped top surface of the cap.
- max 600:** Dimension indicating the maximum height of the sloped section.
- 150:** Dimension indicating the height of the vertical section above the base.
- Mass concrete base and backing:** Points to the solid concrete base and the backing material.
- min 50:** Dimension indicating the minimum thickness of the base.
- min 100:** Dimension indicating the minimum thickness of the backing.
- 150:** Dimension indicating the width of the base.

Topsoil

50 x 150 concrete Edging curb (ED)

20

Footway

80

100 100

200

Sub base

Concrete to be trimmed as shown to prevent reflective cracking to footway

The diagram illustrates a cross-section of a concrete curb and gutter. The components and dimensions are as follows:

- Topsoil:** The layer above the concrete curb.
- 50 x 150 concrete Edging kurb (ED):** The concrete curb structure.
- Footway:** The paved area adjacent to the curb.
- Sub base:** The base layer beneath the concrete curb.
- Concrete to be trimmed as shown to prevent reflective cracking to footway:** A note indicating the need for trimming the concrete at the junction.
- Dimensions:**
 - Vertical dimensions: 80 mm for the topsoil layer, 80 mm for the concrete curb height, and 80 mm for the sub base layer.
 - Horizontal dimensions: 100 mm for the curb width, 100 mm for the gutter width, and 200 mm for the total width of the curb and gutter.

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