

AMENDMENT NNO. 01 APPROVED ON 1994-02-17**SLS 855 : 1989 SPECIFICATION FOR CEMENT BLOCKS****PAGE 4****Clause 1 SCOPE**

Delete the existing second paragraph and substitute the following :

Pre cast concrete paving blocks, and interlocking blocks which do not require customary horizontal and vertical mortar beds for block laying are also outside the scope of this standard.

PAGE 8**Clause 6.2**

Delete the existing Sub-Clause 6.2 including Table 2 and substitute the following:

6.2 Minimum shell and web thickness for hollow or cellular blocks.

When taken as the average of the measurements at their thinnest point on 20 hollow or cellular blocks or such number as sampled in accordance with 12, the wall thickness of shells and of webs shall be not less than as given in Table 2, as appropriate.

TABLE 2 - Minimum shell and web thickness for hollow or cellular blocks

All dimensions in millimetres

Work size block width	Minimum face shell thickness	Minimum thickness of any web
100 or less	25	25
> 100 ≤ 150	25	25
> 150 ≤ 200	30	25
> 200	35	30

NOTE

These minimum dimensions apply for structural reasons. Increases might be required for such purposes as fire resistance and sound insulation.

PAGE 9

Delete existing Sub-Clause **6.4 Size of cavities** and insert a new Clause **7** titled as "Design requirements".

7 DESIGN REQUIREMENTS

7.1 Size of cavities

The total width of cavity in any block, measured at right angles to the face of the block as laid in the wall, when determined in accordance with **5 of SLS 855 : Part 2 : 1989**, shall not exceed 65 per cent of the width of the block. The volume of cavities in the block, when determined in accordance with **6 of SLS 855 : Part 2 : 1989**, shall not exceed 50 per cent of the gross volume of the block.

7.2 Height of Webs

Webs shall be of a minimum height of 70 mm, or the full height of the block less 50 mm, whichever is the greater. This requirement shall not apply to special blocks designed to form lintels or bond-beams.

7.3 Face shell Thickness

Further to the minimum requirements of Table 2, the thickness of any face shell at any point shall not be less than :

- a) 0.2 times the unsupported distance beyond that point in cantilever face shell; or
- b) 0.09 times the clear distance between webs.

7.4 Total web thickness

The minimum total web thickness per course in any 400 mm length of walling shall not be less than that specified in Table 4.

TABLE 4 - Total web thickness

All dimensions in millimeters	
Work size block width	Minimum total web thickness per course in any 400 mm length of walling
100 or less	50
$> 100 \leq 150$	60
$> 150 \leq 200$	60
> 200	75

NOTE

*Due to insertion of new Clause, 7 **Design requirements**, numbers of the subsequent Clauses and tables would be changed respectively.*

PAGE 12

Sub-Clause, **12.3** Number of tests

Delete the existing text in Sub-Clauses **12.3.1** and **12.3.2** and substitute the following :

12.3.1 Out of the blocks of the samples selected as in **12.2**, three blocks taken at random from every 20 blocks in the sample, shall be inspected for the design requirements given in 7.

12.3.2 All blocks selected as in **12.2** shall be inspected for requirements given in **6, 8** and **9**.

NOTE

*Due to insertion of new Sub-Clause **12.3.1** and **12.3.2** as above, the existing Sub-Clause **12.3.2** should be numbered as **12.3.3**.*

PAGE 13

Sub-Clause, **12.4** - Criteria for conformity

Delete the text under Sub-Clause **12.4** and substitute the following.

Sub-Clause, **12.4**

A lot shall be declared as conforming to the requirements of this specification if the conditions specified in **12.4.1, 12.4.2, 12.4.3, 12.4.4** and 12.4.5 are satisfied.

Delete the existing Sub-Clause **12.4.1** and insert new Sub-Clauses **12.4.1** and **12.4.2** as follows.

12.4.1 All the blocks tested for design requirements shall conform to 7.

12.4.2 The number of blocks not conforming to one or more requirements given in **6, 8** or **9** is less than or equal to two blocks for every 20 blocks in the sample.

NOTE

*Due to this insertion of new Sub-Clause **12.4.1** and **12.4.2** as above, the existing Sub Clauses 12.4.2, 12.4.3 and 12.4.4 should be numbered as 12.4.3, 12.4.4 and 12.4.5 respectively.*

PAGE 17

Insert the following under **Table 6** as **NOTE 4**.

4. Dimensions referred in Column 1 of the Table 6 are the co-ordinating sizes of a block (see **3.6.1**).