

Amendment No.01 approved on 2012- 11-28 to SLS 1425 PART 1:2011

**SRI LANKA STANDARD SPECIFICATION FOR CONCRETE PAVING BLOCKS
SLS 1425 PART 1:2011**

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4.3.1 Work Dimensions

Delete the existing **TABLE 1** and replace the following table.

| Type (1) | Length mm (2) | Width mm (3) | Thickness mm (4) |
|-------------|---------------------|--------------------|--|
| R | 200 | 100 | See TABLE 4 & Note 3 under TABLE 1 |
| NR1 | 220 | 110 | See TABLE 4 & Note 3 under TABLE 1 |
| NR2 | 225 | 112.5 | See TABLE 4 & Note 3 under TABLE 1 |
| NR3 | See Note 4 | See Note 4 | See TABLE 4 & Note 3 under TABLE 1 |

Type of the rectangular blocks “R1”, given in **NOTES: 2** to be changed as “R”
The word “deviations (see Tables 2 and 3)” in **NOTES: 4** to be changed as “dimensions”

Delete existing **FIGURE 2**, and substitute the following diagrams as **FIGURE 2**.

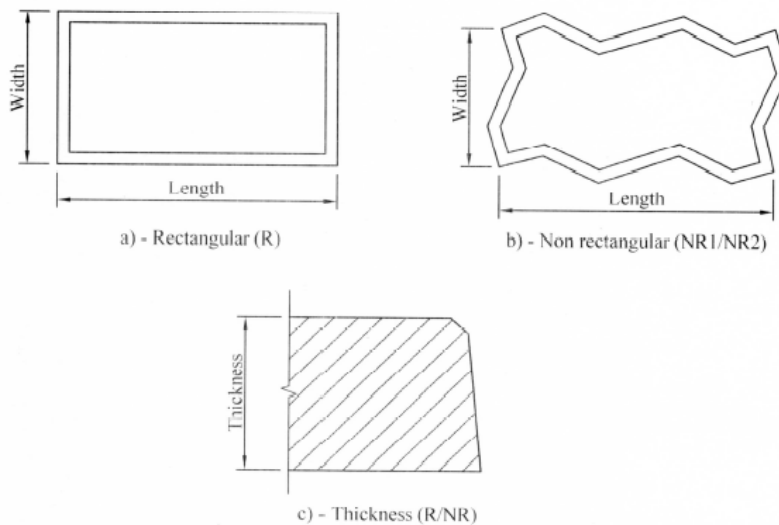


FIGURE 2 - Example for rectangular and non-rectangular shape blocks

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4.5.1 Compressive Strength

Delete the existing heading “*Compressive Strength*” and replace it with “*Compressive Strength and Nominal Block Thickness*”

Delete “7” in the second row of the paragraph and substitute “6”

Add the following at the end of the paragraph.

“The nominal thickness specified for different classes of paving blocks are shown in column (4) of **TABLE 4.**”

The existing **TABLE 4**, including heading to be changed as follows.

“TABLE 4: Minimum Strength requirements and nominal block thickness

| Strength Class | Compressive Strength N/mm² | Individual Crushing Strength N/mm² | Nominal Block Thickness mm |
|-----------------------|--|--|---------------------------------------|
| (1) | (2) | (3) | (4) |
| 1 | 50 | 40 | 80 or 100 |
| 2 | 40 | 32 | 80 or 100 |
| 3 | 30 | 25 | 80 or 100 |
| 4 | 15 | 12 | 60 or 80 |

4.5.2 Abrasion Resistance

Delete the entire paragraph & substitute following .Introduce a new table as, **TABLE 5** and change the numbers of the remaining tables accordingly.

“The abrasion resistance of concrete paving blocks sampled in accordance with 6 and tested in accordance with 7 of Part 2 of this standard (Wide Wheel Abrasion test), shall comply with the requirement given in the 2nd column of **TABLE 5.**

Or as an alternative, the abrasion resistance of the concrete paving blocks, tested in accordance with 10 of Part 2 of this standard (Böhme test), shall comply with the requirement given in the 3rd column of **TABLE 5.**

No performance measures are specified for the concrete paving blocks of Class 4”

TABLE 5- Abrasion Resistance and Water Absorption

| Class | Abrasion Resistance | | Water Absorption % by mass |
|-------|--|---|-------------------------------|
| | Measured in accordance with the test method described in 7 of Part 2 | Measured in accordance with the test method described in 10 of Part 2 | |
| (1) | (2) | (3) | (4) |
| 1,2,3 | ≤ 20 mm | ≤ 18 000 mm ³ /5000 mm ² | ≤ 6 |

4.5.3 Slip /Skid Resistance

Delete 9 in the 2nd row and substitute 8.

4.5.4 Water Absorption

Delete entire paragraph and substitute following.

“The Water absorption of Concrete paving blocks of Class 1, 2 & 3 sampled in accordance with 6 and tested in accordance with 9 of Part 2 of this standard, shall comply with the requirements given in Column 4 of TABLE 5.

No performance measures are specified for the concrete paving blocks of Class 4”

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6.1.1

Add the words “Column (2) of”, before the word “Table 5” in the second line of the sentence.

TABLE 5

Delete the word “LOT” in the heading of the column (1) and substitute “lot”

6.2.2

Delete “6.1” in the second line (1) and substitute “6.1.1”

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7.2

Delete “average compressive strength and individual compressive strength” and substitute “compressive strength and individual crushing strength”

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APPENDIX A

Introduce column numbers to the existing table as follows.

| Usage | Traffic Classes (10⁶ esa) | Strength Class of Concrete Paving Block | Remarks |
|--------------|---|--|----------------|
| (1) | (2) | (3) | (4) |

Delete full stop “.” and add “or 80 mm “at the end of the sentence given in the 1st row of the 4th column of the existing table.

NOTES:

Add a new Note as follows.

3. In locations with paving blocks meant for pedestrian usage, if vehicles can overrun on to such blocks, those paving blocks shall not be classified as for pedestrian usage (Strength Class 4).