AMENDMENT NO. 1 APRIL 2022

TO

IS 15658 : 2021 CONCRETE PAVING BLOCKS — SPECIFICATION

(First Revision)

(*Page* 3, *Table* 1, *Note* 2*, line* 1) — Substitute 'of 0.5 to 2.0' *for* 'up to 0.5'.

(*Page* 3, *Table* 1, *Note* 3*, line* 2) — Substitute '2.0 to 10.0' *for* '0.5 to 2.0'.

(*Page* 3, *Table* 1, *Note* 4*, line* 2) — Substitute '10 to 20' *for* '0.5 to 2.0'.

(*Page* 3, *Table* 1, *Note* 5*, line* 2) — Substitute '20 to 50' *for* 'more than 5.0'.

(*Page* 3, *Table* 1, *Note* 5*, line* 2) — Insert the following at the end:

'However, M 55 grade and 120 mm minimum thickness concrete paving blocks shall be used for more than 50 MSA.'

(*Page* 3, *Table* 1, *Notes*) — Insert the following note at the end:

'**6** For laying practices of paving blocks for different traffic categories, IS 16777 may be referred.'

(*Page* 4, *clause* **7.1.2**, *second sentence*) — Substitute following for the existing sentence:

'Eight blocks shall then be laid out on a level floor in any desired paving pattern.'

(*Page* 4, *clause* **7.1.2**, *line* 8) — Substitute '1.2 m' *for* '2 m'.

(*Page* 4, *clause* **7.3**) — Insert the following at the end of the sentence:

'In case of abrasion resistance, if concrete paving blocks subjected to wet abrasion resistance test also pass the specified requirements of dry abrasion resistance, then further testing of the samples for dry abrasion resistance requirements will not be required.'

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(*Page* 5, *clause* **8.2**) — Substitute the following for the existing clause:

'**8.2** When the product has been submitted to an assessment of conformity by a third party, further testing is not required. In case of any dispute between the purchaser and the manufacturer, testing may be carried out and the required number of blocks shall be sampled from each batch of the consignment of blocks up to a quantity of 50 000 blocks.'

(*Page* 6, *Table* 4) — Substitute the following for the existing table.

Table 4 Sampling Requirements

(*Clauses* 8.6, B-1.2, B-2.2, B-3.2, B-4.2, C-2, D-2, E-2.1, F-2, G-2 *and* H-3)

Sl No.	Property	Ref to Clause No.	Number of Paving Blocks for Test	
			Quality Assurance by Third Party (*see* Note 1)	Quality Assurance by Manufacturer/ Purchaser (*see* Note 2)
(1)	(2)	(3)	(4)	(5)
i)	Visual inspection	7.1	8 (8)	8 (16)
ii)	Dimensions	7.2	8 (3)	4 (16)
iii)	Water absorption	7.3	3 (3)	3
iv)	Compressive strength	7.3	8 (5)	4 (16)
v)	Tensile splitting strength	7.3	8 (3)	4 (16)
vi)	Flexural strength	7.3	8 (3)	4 (16)
vii)	Abrasion resistance	7.3		
	a) Dry		3 (3)	3
	b) Wet		3 (3)	3
viii)	Freeze-thaw durability	7.3	3 (3)	3

NOTES:

1 For each batch of the size up to 25 000 paving blocks, the number of paving blocks to be taken for tests shall be those given in brackets.

2 The number within bracket is the number to be sampled to avoid secondary sampling from the batch, in case additional blocks are required to be tested to assess conformity.

[*Page* 6, *clause* **10.1**, (d)] — Add '(optional)' at the end of the sentence.

(*Page* 6, *clause* **10.1**) — Insert the following at the end of the clause.

'**10.1.1** The manufacturer shall supply test certificate/invoice with each batch mentioning the batch number and date of manufacture, to enable to trace back the same to factory records. Also, 0.5 percent of concrete paving blocks from each batch shall be marked with batch number and date of manufacture.'

(*Page* 7, *Annex A*) — Insert the following at the end.

16777 : 2019 Laying of paver blocks — Code of practice

(*Page* 9, *clause* **B-5***, first sentence*) — Substitute the following for the existing.

'The thickness of the wearing layer for two-layer paving blocks shall be measured at several points. The thickness shall be measured by cutting the block. Such measurement may be made on the block prepared for abrasion resistance test.'

(*Page* 14, *clause* **F-4.2***, line* 4) — Substitute '0.01 kN' *for* '0.01 N'

(*Page* 15, *clause* **G-2**) — Substitute the following for the existing clause.

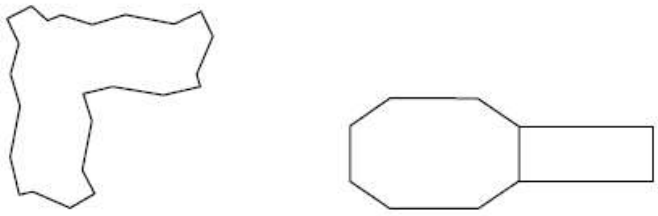
'G-2 SPECIMENS

The test shall be conducted on full size concrete paving blocks or on a rectangular slice cut from the paving block. The full paving block shall be used where it is possible to reasonably get the weighted average of width *b* of the sample. However, in case of the samples having non-symmetrical shapes (except those similar to the shapes given in Fig. 7) such as T, L and 3 petals/flower shaped concrete paving blocks, the test shall be conducted on longest rectangular slice vertically cut out of the paver block. Such a slice shall have a width of at least 40 mm in case nominal maximum size of coarse aggregate is 12.5 mm, and 70 mm in case nominal maximum size of coarse aggregate is 20 mm. The block specimens shall be selected as per the sampling procedure in **8** and as per the number of specimens mentioned in Table 4.'

(*Page* 15, *clause* **G-5**, *line* 9) — Insert 'weighted' before 'average width'.

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(*Page* 16, *Fig.* **7**) — Delete the following shapes from the figure:



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