

Pre-Cast Concrete Paving Blocks - Dimensions

Lab Test Reference 335
British Standard Reference
BS 6717 : Part 1 : 1993

Principal Apparatus

Tape - Lab Inventory No. xxx
Vernier Callipers - Lab Inventory No. xxx
Steel Rule - Lab Inventory No. xxx

1. Preliminaries
 - 1.1 The concrete laboratory will be used to carry out this test and a clear area of floor must first be prepared before the test proceeds.
 - 1.2 Check the sample number and test schedule correspond.
 - 1.3 Check the measuring rule and callipers are clean and in good condition and also that the calibration certificates are valid.
 - 1.4 Obtain the test worksheet No. 335.
2. Standard Test Procedure
 - 2.1 16 Blocks are required to perform this test.
 - 2.2 The thickness of each block from the sample taken in accordance with Clause 12 of BS6717 shall be measured using the steel callipers by placing the jaws at four representative positions. The thickness is measured and recorded to the nearest 1mm.
 - 2.3 The dimensions of both length and width are measured by taking two representative positions for length and three for width and measuring across two opposite faces using the steel callipers or steel rule. The value of each measurement is recorded to the nearest 1mm.
 - 2.4 The tolerances used for compliance with the standard length $\pm 2\text{mm}$, width $\pm 2\text{mm}$ and thickness $\pm 3\text{mm}$.

NOTES ON COMPRESSIVE STRENGTH TEST P.21

If the average crushing strength of the first four blocks tested is not less than 54N/mm^2 and if none of these four blocks has a crushing strength of less than 40N/mm^2 , the consignment shall be considered to comply with this standard, and no further blocks need be tested.