

AIT

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STRUCTURAL ENGINEERING LABORATORY

STRUCTURAL ENGINEERING FIELD OF STUDY

SCHOOL OF ENGINEERING AND TECHNOLOGY

TYPE OF TEST : DETERMINATION OF RESISTANCE TO STRUCTURAL DAMAGE BY MULTIPLE IMPACTS FROM A LARGE SOFT BODY (BS5234: Part2: 1992 Annex E)

TEST SPECIMEN: One (1) specimen of partition wall having a size of 3,000 x 2,400 x 150 mm., made of autoclaved aerated concrete "Smartblock G4" of size of 20 x 60 x 15 cm., was installed by the client. The lintels of wall were installed at the height of 1.50 m.

CLIENT: SMART CONCRETE PUBLIC CO., LTD.

DATE OF TEST: December 16, 2014

TEST RESULTS:

Point No.	Number of Impact	Impact Energy (N.m)	Surface condition after tested
1	1	300	No crack was found on the specimen.
	2	300	No crack was found on the specimen.
	3	300	No crack was found on the specimen.

- Note:** 1) The impact energy of 300 N.m was produced from lifting the sand bag of weight 50 kg. with the drop height of 610 mm.
2) This report certifies the adequacy and representative character of the test sample(s) only.

TESTED BY:



MR. SAMWAI SORNSRIDA
TECHNICIAN

CHECKED BY:



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RESEARCH ASSOCIATE

APPROVED BY:



PROFESSOR PENNUNG WARNITCHAI
FIELD COORDINATION OF STE/SET
January 9, 2015

