



เอกสารแสดงการต้านทานแรงกดและการดูดซึมน้ำ

(Compressive strength, and Water absorption)



FACULTY OF ENGINEERING
CHULALONGKORN UNIVERSITY

TEST REPORT

Testing of Concrete Block

Specimen from : มคอ.กิตติชัยวิศวกรรมฯ

(The test results are good only for those specimen tested)

Tested Date : October 27, 2006

Tested by

(Assoc.Prof.Dr. Wanchai Teeparaksa)

Compression Test

Item	Unit	Specimen No.				
		1	2	3	4	5
Wall thickness of block	mm.	-	-	-	-	-
Width of block	mm.	69.7	69.6	67.5	67.8	66.8
Length of block	mm.	392.0	392.0	392.5	392.5	392.0
Height of block	mm.	134.7	135.2	135.8	137.3	136.6
Weight of block	kg.	5.51	5.30	5.52	4.99	5.25
Crushing load	kg.	26,000	19,000	26,000	19,000	20,000
Compressive strength (gross)	ksc	95	70	98	71	76

Absorption Test

Item	Unit	Specimen No.				
		6	7	8	9	10
Wt. of saturated surface dry (after 24)	mm.	5.9	5.9	5.7	5.7	5.9
Wt. of original dry specimen	mm.	5.6	5.5	5.3	5.2	5.6
Wt. of oven dry specimen	mm.	5.0	4.8	4.7	4.7	4.9
Water content	%	12.8	13.8	12.0	11.9	14.7
Water absorption	%	19.64	21.19	21.50	21.41	21.10

Chatpan Chintanapakdee
(Assist.Prof.Dr.Chatpan Chintanapakdee)

On behalf of

Head of Civil Engineering Department