

AIT

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STRUCTURAL ENGINEERING LABORATORY

STRUCTURAL ENGINEERING FIELD OF STUDY

SCHOOL OF ENGINEERING AND TECHNOLOGY

TYPE OF TEST: MODULUS OF ELASTICITY (ASTM C1185)

TEST SPECIMEN: Three (3) specimens of " SmartBoard " fiber cement board having a size of 152 (b) x 305 (l) x 12 (t) mm. were given by the client.

CLIENT: THE SIAM FIBRE - CEMENT CO., LTD.

DATE OF TEST: October 2, 2011


TEST MACHINE: The 5,000-kgf "Shimadzu" Autograph Universal Testing Machine Type : DCS-5000.

TEST RESULTS:

Condition of Specimen	Condition of Load	Specimen No.	Dimension			Maximum Load (kgf)	Flexural Strength (kgf/cm ²)	Modulus of Elasticity
			b (cm.)	d (cm.)	L (cm.)			
Wet	Perpendicular to Grain	1	15.21	1.27	30.67	87	132.29	6,810.51
		2	15.22	1.29	30.57	90	133.25	6,745.66
		3	15.25	1.26	30.35	78	120.18	5,849.38

Note : This result certifies the adequacy and representative character of the test sample only.

CHECKED & APPROVED BY :


DR. SUN SAYAMBUN
 SENIOR LABORATORY SUPERVISOR
 October 15, 2011

