

ADMATERIALS TECHNOLOGIES PTE LTD

53 Ubi Avenue 1 #01-13 Paya Ubi Industrial Park Singapore 408934 Co. Reg. No.: 200805959C
Tel: (65) 6848 6838 Fax: (65) 6746 0196 Website: www.admaterials.com.sg



TEST REPORT

CLIENT NAME : ECONROAD ASIA PTE LTD
ADDRESS : 28, GENTING LANE, # 09-07, PLATINUM 28
SINGAPORE 349585

ATTENTION TO : MR. JAMES YONG
TEL NO : 6846 8455
FAX NO : 6842 0438

ACCOUNT CHARGEABLE TO : ECONROAD ASIA PTE LTD

PROJECT CODE : D0345
PROJECT TITLE : GENERAL TESTING

SUBJECT : DETERMINATION OF UNCONFINED COMPRESSIVE STRENGTH

TEST STANDARDS : BS 1377-7: 1990, SECTION 7

JOB REF : ADM/13/1094(1)
CLIENT SAMPLE REF. : SIMEI SINGAPORE SOIL SAMPLE
0% TERRA FIRMA SOIL STABILIZER AGENT

DATE RECEIVED : 22-Mar-2013
DATE OF REPORT : 02-Apr-2013
AGE OF SAMPLE : 7 Days
TOTAL PAGES : 2 (INCLUDING COVER PAGE)

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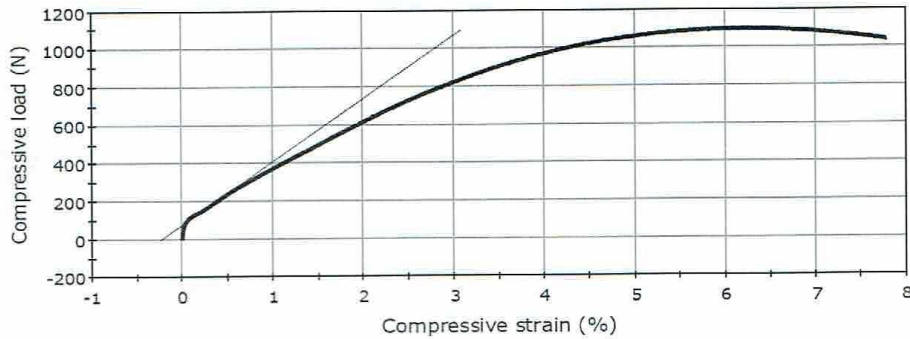



JOB REF: ADM/13/1094(1)

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DETERMINATION OF UNCONFINED COMPRESSIVE STRENGTH

Graph 1



Type of specimen: Undisturbed		Nominal diameter: 75 mm					
Specimen details		Initially		After test		The sample was cast on 23/3/2013	
Diameter	D mm	76.24	Mass	g	1469.4		
Area	A_0 mm ²	4563	Dry mass	g	1296.3	Sketch of failure conditions	
Length	L_0 mm	153.71	Moisture content	%	13.4		
Volume	cm ³	701	Elastic Modulus (Mpa)	7.2			
Mass	g	1475.3					
Density	Mg/m ³	2.10	Maximum axial load			1097.25 N	
Axial strain at failure		6.2		%			
Unconfined compressive strength q_u		0.23		MPa			
Sample no.	SIMEI SINGAPORE SOIL SAMPLE 0% TERRA FIRMA SOIL STABILIZER AGENT					Job ref.	ADM/13/1094(1)
						Test no.	ADM/13/1094(1)
Soil description:	Yellowish CLAY					-	-
						Depth	-
Test Method:	BS 1377-7: 1990: 7					Date of test	30/3/2013
Prepared By: Zhou Huajun				Approved By: Sherly Wijaya			

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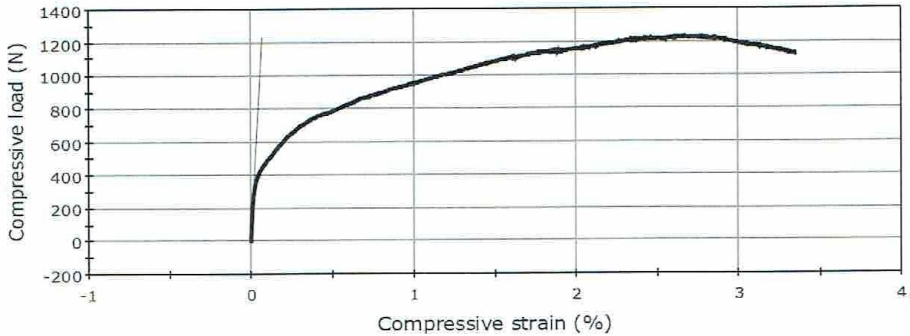

TEST STANDARDS : BS 1377-7: 1990, SECTION 7

JOB REF : ADM/13/1094(3)
CLIENT SAMPLE REF. : SIMEI SINGAPORE SOIL SAMPLE
6% OPC CEMENT

DATE RECEIVED : 22-Mar-2013
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DETERMINATION OF UNCONFINED COMPRESSIVE STRENGTH						
<p>Graph 1</p> 						
Type of specimen: Undisturbed			Nominal diameter: 75 mm			
Specimen details		Initially	After test		The sample was cast on 23/3/2013 Sketch of failure conditions 	
Diameter	D mm	76.16	Mass	g		1421.2
Area	A_0 mm ²	4553	Dry mass	g		1285.0
Length	L_0 mm	152.54	Moisture content	%		10.6
Volume	cm ³	695	Elastic Modulus (Mpa)	363.7		
Mass	g	1422.4				
Density	Mg/m ³	2.05				
Maximum axial load			1232.08	N		
Axial strain at failure			2.7	%		
Unconfined compressive strength q_u			0.26	MPa		
Sample no.		SIMEI SINGAPORE SOIL SAMPLE 6% OPC CEMENT		Job ref.	ADM/13/1094(3)	
				Test no.	ADM/13/1094(3)	
Soil description:		Yellowish CLAY		-	-	
				Depth	-	
Test Method:		BS 1377-7: 1990: 7		Date of test	30/3/2013	
Prepared By: Zhou Huajun			Approved By: Sherly Wijaya			

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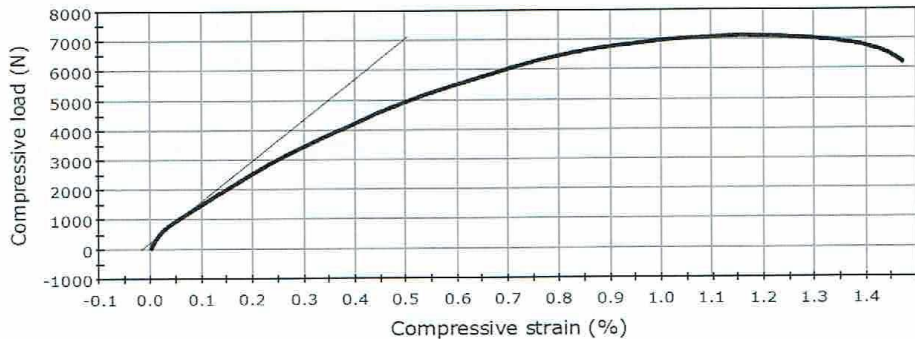

TEST STANDARDS : BS 1377-7: 1990, SECTION 7

JOB REF : ADM/13/1094(2)
CLIENT SAMPLE REF. : SIMEI SINGAPORE SOIL SAMPLE
6% TERRA FIRMA SOIL STABILIZER AGENT

DATE RECEIVED : 22-Mar-2013
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DETERMINATION OF UNCONFINED COMPRESSIVE STRENGTH						
<p>Graph 1</p> 						
Type of specimen: Undisturbed			Nominal diameter: 75 mm			
Specimen details		Initially	After test		The sample was cast on 23/3/2013	
Diameter	D mm	76.04	Mass	g		1487.1
Area	A ₀ mm ²	4539	Dry mass	g	1316.2	
Length	L ₀ mm	152.17	Moisture content	%	13.0	
Volume	cm ³	691	Elastic Modulus (Mpa)	300.4		
Mass	g	1490.5				
Density	Mg/m ³	2.16				
Maximum axial load						7123.10
Axial strain at failure			1.2	%		
Unconfined compressive strength q_u			1.55	MPa		
Sample no.			SIMEI SINGAPORE SOIL SAMPLE 6% TERRA FIRMA SOIL STABILIZER AGENT		Job ref.	ADM/13/1094(2)
					Test no.	ADM/13/1094(2)
Soil description: Yellowish CLAY					-	-
					Depth	-
Test Method: BS 1377-7: 1990: 7					Date of test	30/3/2013
Prepared By: Zhou Huajun			Approved By: Sherly Wijaya			