TEST REPORT

No. : XMCCM140300198-3.1A
Date : Jun.30, 2014

PHOMI MCM CO., LTD.
112 ZHONGSHENG ROAD, PANYU DISTRICT, GUANGZHOU, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name	:	MCM FLEX-CLAY, UNFIRED FLEXI CLAY CLADDING & FLOORING
SGS Ref. No.	:	CANMLC1407793201, KV-14-03020X
Test required	:	EN 15102:2007+A1:2011 Decorative wallcoverings-Roll and panel form products
Intend use	:	Wall coverings
Date of Receipt	:	May.19, 2014
Test Period	:	May.19, 2014 to May. 30, 2014

Test result(s) : For further details, please refer to the following page(s)

******** To be continued********

Signed for and on behalf of
SGS-CSTC Ltd.

Civi Huang
Xiamen Materials Lab Technical Supervisor

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Summary of test results:

No	Test items	Test methods	Requirement in EN 15102:2007+A1:2011	Test results	Verdict
1	Vinyl chloride monomer (VCM) (mg/kg)	With reference to EN 12149:1997 Test B	Max. value 0,2mg/kg	ND	Pass
2	Heavy metals and specific elements	With reference to EN 12149:1997 Test A	Max.value in mg/kg, where relevant See the following detail	See the following detail	Pass
3	Thermal conductivity (W/(m·K))	EN 12667(2001)	Declared	0.0590	/
4	Thermal resistance (m^2·K/W)		Declared	0.0568	/

Note: 1. ND= Not Detected (< MDL)
2. All the test items were carried out by a SGS laboratory.

******** To be continued********

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1. VCM (vinyl chloride monomer)

Test Method: With reference to EN12149:1997, analysis was performed by HS-GC-MS.

Test Item(s)	Unit	MDL	Test Result	Requirement in EN 15102:2007+A1:2011 (Max. value)
VCM(Vinyl Chloride Monomer)	mg/kg	0.1	ND	0.2

2. Soluble heavy metal

Test Method: With reference to EN12149:1997. Analysis was performed by ICP-OES.

Test Item(s)	Unit	MDL	Test Result	Requirement in EN 15102:2007+A1:2011 (Max. value)
Soluble Lead (Pb)	mg/kg	5	ND	90
Soluble Antimony (Sb)	mg/kg	5	ND	No upper limit
Soluble Arsenic (As)	mg/kg	5	ND	25
Soluble Barium (Ba)	mg/kg	10	78	500
Soluble Cadmium (Cd)	mg/kg	5	ND	25
Soluble Chromium (Cr)	mg/kg	5	ND	60
Soluble Mercury (Hg)	mg/kg	5	ND	20
Soluble Selenium (Se)	mg/kg	10	ND	165

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (<MDL)

******** To be continued********

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3. Thermal Conductivity & Thermal Resistance

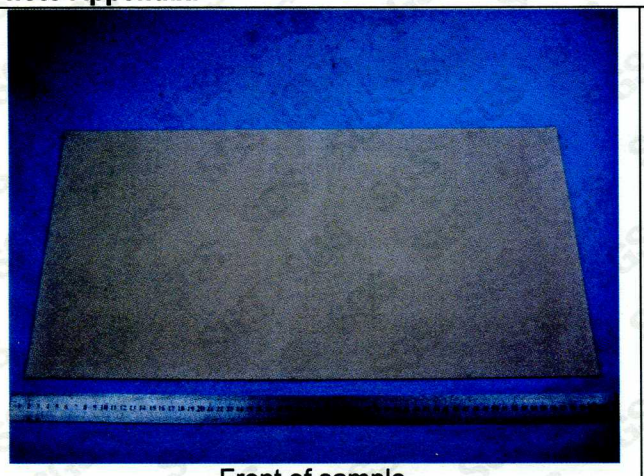
Test Method:

EN 12667(2001) Thermal performance of building materials and products -Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Products of high and medium thermal resistance.

Test Detail:

Test Equipment		Thermal Conductivity Tester Model: HFM-436/3/1
Lab Environmental Conditions		Ambient Temperature: (23 ± 2)℃ Relative humidity：(50 ± 10)%
Test Conditioning		1) The Thickness of the test：0.3350 cm 2) Mean temperature：24.81 ℃ 3) Delta T：12.05 ℃ 4) Temperature gradient: 3596.72 °K/m
Test Result	Thermal Conductivity (W/m・K)	0.0590
	Thermal Resistance (m^2・K/W)	0.0568

Photo Appendix:



Front of sample

Back of sample

SGS authenticate the photos on original report only

Note: This report is to supersede test report No. XMCCM140300198-3.1.

********End of report********

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