

TEST REPORT

No. : GZCCM131200956-01

Date : Jan. 15, 2013

Page: 1 of 4

SHENZHEN GEYIDE SHELL DECORATION MATERIAL CO., LTD
THE STUDIO 38, CANONS DRIVE, EDGWARE, MIDDLESEX, HA8 7QT UK

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

Sample Name : MOTHER OF PEARL MOSAIC TILE
Material : SHELL
Spec. : 20×20mm
Buyer : Shellshock Designs Ltd.
Manufacturer : Shenzhen Geyide Shell Decoration Material Co., Ltd
SGS Ref. No. : XMCCM131201233, SDHG1312014333FB
Test Performed : Selected test(s) as requested by applicant.
Date of Receipt : Dec. 18, 2013
Test Period : Dec. 23, 2013 to Jan. 06, 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 Standards Technical Services Co.,Ltd
Guangzhou Branch

Chandler

Chandler Wu
Technical Engineer



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CSTC Standards Technical Services Co.,Ltd.
Guangzhou Branch

198 Kezhu Road, Sciencetech Park, Economic & Technical Development District, Guangzhou, China. 510663 t(86-20) 82155555 f(86-20) 82075080 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t(86-20) 82155555 f(86-20) 82075080 e sgs.china@sgs.com

GZCCM 0003389

TEST REPORT

No. : GZCCM131200956-01

Date : Jan. 15, 2013

Page: 2 of 4

Test Information:

Sample description: See photo

No.	Test item(s)	Test method(s)	Test condition	Test result(s)
1	Water absorption	With reference to GB/T 3810.3-2006	Specimens: 25mm×25 mm, 10pcs, all the specimens were picked up from product	Average: 0.16%
2	Thermal shock resistance	With reference to GB/T 3810.9-2006	Specimen: product of 300mm×300mm, 1pcs	No damage

3. Radioactive test

Test method: GB6566-2010 Limits of radionuclides in building materials

Test result:

Test item	Provisions of Standard	Test result	Conclusion
The specific activity of ^{226}Ra	---	2.36Bq/kg	The sample tested complies with the requirement of Class A decorative materials of GB 6566-2010.
The specific activity of ^{232}Th	---	2.09Bq/kg	
The specific activity of ^{40}K	---	--	
Internal exposure index I_{Ra}	Class A decorative materials: $I_{\text{Ra}} \leq 1.0$ Class B decorative materials: $I_{\text{Ra}} \leq 1.3$	0.01	
External exposure index I_{y}	Class A decorative materials: $I_{\text{y}} \leq 1.3$ Class B decorative materials: $I_{\text{y}} \leq 1.9$ Class C decorative materials: $I_{\text{y}} \leq 2.8$	0.01	

4. Noninflammability

Test Conducted:

This test is conducted accordance with GB/T 5464-2010 Reaction to fire tests for building products - Non-combustibility test.

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

TEST REPORT

No. : GZCCM131200956-01

Date : Jan. 15, 2013

Page: 3 of 4

I. Sample Description and Conditioning:

Material / Color	Mother of pearl mosaic tile / White+Brown
Sample Size*	About: 20mm × 20mm × 1.8mm

Condition	Temperature (°C)	Duration (20~24hours)
Preconditioning	60°C±5°C	24 hours

Remark:

*--- Specimens of the height of (50±3) mm shall be made by using a sufficient number of layers of the material.

II. Test Result

1. Time raised

Sample	Tf(initial)	Tf(max)	Tf(final)	ΔTf	Tc(final)	Tc(max)	ΔTc	Ts(final)	Ts(max)	ΔTs
1	750.7	780.4	753.2	27.2	706.2	727.0	20.8	735.4	761.0	25.6
2	755.2	801.2	778.3	22.9	711.6	741.6	30.0	756.0	782.4	26.4
3	753.0	795.8	776.0	19.8	721.2	743.3	22.1	746.3	766.5	20.2
4	751.3	783.7	750.6	33.1	716.2	753.4	37.2	755.1	780.4	25.3
5	750.5	788.9	759.8	29.1	698.2	736.4	38.2	750.0	773.1	23.1
Average	752.1	790.0	763.6	26.4	710.7	740.3	29.7	748.6	772.7	24.1

Remark: Tf –furnace thermocouple, Tc –specimen centre thermocouple, Ts –specimen surface thermocouple

2. Flame

Sample	Flame continuance (s)
1	420
2	483
3	501
4	434
5	431
Average (s)	454

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



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

SGS-CTC Standards Technical Services Co., Ltd.
Guangzhou Branch

198 Kezhu Road, Sciencetech Park, Economic & Technical Development District, Guangzhou, China.
中国·广州·经济技术开发区科学城科珠路198号

510663 t (86-20) 82155555 f (86-20) 82075080 www.sgsgroup.com.cn
邮编: 510663 t (86-20) 82155555 f (86-20) 82075080 e sgs.china@sgs.com

GZCCM 0003391

TEST REPORT

No. : GZCCM131200956-01

Date : Jan. 15, 2013

Page: 4 of 4

3. Mass loss

Sample	Initial mass (g)	After test (g)	Mass loss (%)
1	188.0	179.1	4.7
2	190.4	181.4	4.7
3	184.3	176.4	4.3
4	186.7	178.2	4.6
5	183.5	174.4	5.0
Average	186.6	177.9	4.7

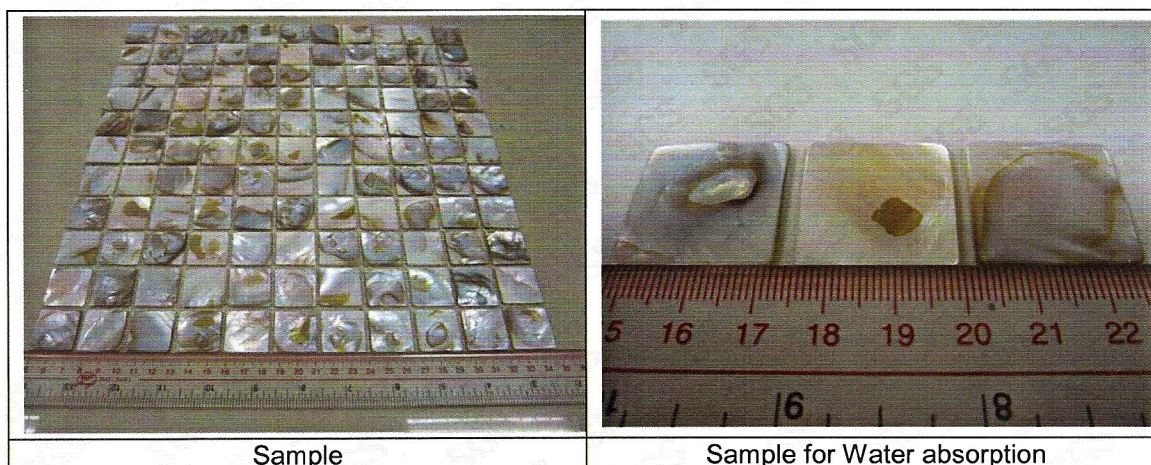
Statement:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criteria for assessing the potential fire hazard of the product in use.

Note: 1. Test item 1, 2 and 4 were carried out by a SGS internal laboratory.

2. Test 3 was carried out by an external laboratory assessed as competent.

Photo:



Sample

Sample for Water absorption

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