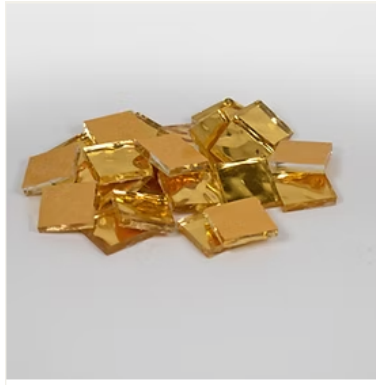


TECHNICAL DATA FOR CHINESE GOLD AND SILVER TILES



Plain real gold 20 x 20mm



Rippled real gold 20 x 20mm



Plain real gold 10 x 10mm



Rippled real gold 10 x 10mm



Plain real silver 20 x 20mm



Rippled real silver 20 x 20mm



Plain real silver 10 x 10mm



Rippled real silver 10 x 10mm

NB that in these tiles the gold or silver foil layer is sandwiched between two layers of glass. The top layer of glass is the thicker one and the tiles are designed so that the shiny gold foil is seen through this thick glass layer. The bottom layer of glass is very thin and is under the un-shiny bottom side of the foil.

Confirmation certificate for gold purity

This information is not published with a full English translation, but you can see that the gold content is certified as being 98%.

广东省金银珠宝检测中心 广东省质量监督金银珠宝检验站 Guangdong jewelry testing center Guangdong jewelry quality supervision station		MA 20121996242		CAL 20121(粤)质监认字123号		CNAS L2357		
检验报告 Test Report								
编号(NO.):		611471413		共 1 页 第 1 页				
来样名称 Name Sample	G901G箔片 Foil			原样编号 Original Number	---			
委托单位 Applicant	广东开平市玫瑰艺术马赛克有限公司 Rose Art Mosaic Co., Ltd			来/抽样单号 Sample Batch Number	611471413			
受检单位 Inspected Unit	---			抽样地点 Sampling Site	---			
供货单位 Manufacturer	---			来/抽样数量 Sample Quantity	1PC			
来样方式 Sampling Method	送样Submit			抽样基数 Population	---			
检验类别 Test Type	委托检验Entrust test			来/抽样日期 Application Date	2014年04月28日			
样品状态 State Of Sample	---			生产日期 Production Date	---			
检验项目 Test Item	含金量Gold content							
检验依据 Testing Criteria	GB/T 18043-2013							
检验结果 (Test Conclusion)								
1. 6114722515 箔片 长×宽: 11×11cm, 含金量: 980‰. Foil Length × width: 11×11cm, gold content is 980‰. 以下空白								
								
								
备注 (Remarks)								
样品不均匀 (The sample is uneven)。								
批准: Approver:			审核: Inspector:			检验: Tester:		
附注: 本报告只对送检样品负责, 如有异议, 请于十五天内向本中心提出, 复测, 修改报告无效。 Attention: The report is only responsible for the original. The dissidence must be submitted in 15 days since receiving the report. The altered report is invalid.								
GDTC		网址: www.gold.gd.cn/gdte						
地址: 广州市农林下路81号之三楼局大厦 Add: NO.81 Nonglinxia Road, Guangzhou		电话: 020-87301500 87303090 Tel: 020-87301500 87303090		邮编: 510080 P.C: 510080				

Technical test results

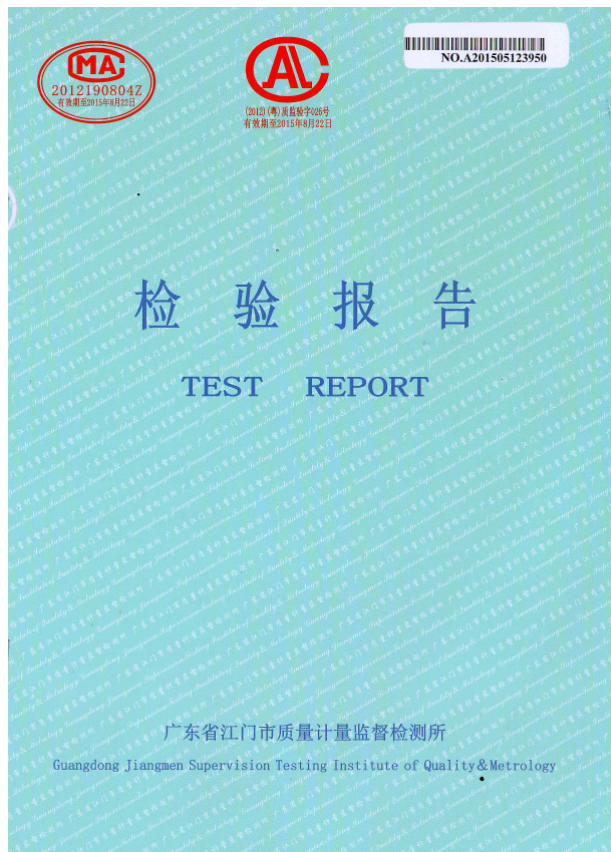
The gold tiles have been tested against two national Chinese standards

GB/T 7696-1996 and GB 6566-2010

These standards are very similar to UK tests, and assess the following:

- that the tiles are the dimensions they are meant to be
- that their appearance is adequate (in terms of blemishes, slants, bubbles etc
- that colour is uniform
- adhesive fastness (regarding the backing material)
- thermo-stability (by cycling through rapid heating/cooling)
- chemical stability (by testing with acids and alkalis)
- radioactivity
- strength of the bonds between the gold/silver foil and the layers of glass within which they are sandwiched.

The tiles pass all the checks. Details can be seen on the following pages.
The only issue which might concern us is that the thermo-stability tests are not carried out at cold temperatures.





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Guangdong Jiangmen Supervision Testing Institute of Quality & Metrology

Test Report

Page 1 Of 4

Name of samples (Type, Specification, Brand, Grade)	Gold flake-flecked glass mosaic 327mm×327mm/block 20mm×20mm/piece GN01G ROSE	Production Date	2015-05-16
		Serial No. of sample	——
		Voucher No.	543418-2
Inspected Entity	——	Test Type	Commission
Manufacturer	Rose Art Mosaic Co., Ltd	Sample Quantity	20 block
Consignor	Rose Art Mosaic Co., Ltd	Sampling Base	——
Sampling Place	——	Date of sampling/receiving	2015-05-22
Way of incoming sample/ Person of sampling/sending	Sending by Lin Shengnian	Date Tested	2015-05-28
Test Standards	GB/T 7697-1996 《Glass mosaic》 GB 6566-2010 《Limits of radionuclides in building materials》 *Enterprise technological requirements.		
Test Conclusion	Totally 6 items are tested for the sample. The result of The interlayers bond strength of the glass mosaic is actually measured value, and other test items conform to the requirements of test standards (please refer to next page).		
Remark	1. The consignor provided: ① the manufacturer; ② production date. 2. The inspection item specified by the consignor. 3. The name of the enterprise technological requirements is The interlayers bond strength of the glass mosaic.		

Approved by:

☐ Senior Engineer
☒ Engineer

Checked by:

Tested by:

Note: 1. The report is invalid without Dedicated Testing Seal. The report is invalid without all signatures of the main inspector, the checker and the approver. The report is invalid if altered. The report copy is invalid without the validation seal of the Institute.

2. In the case of commission test, the institute is only responsible for the tested sample. The institute is not responsible for the authenticity of the information in Remark column claimed by the consignor.

Address: No.48, Jianshe Third Road, Jiangmen City, Guangdong Province.

Post code: 529000 Tel: (0750) 3286163, 3286165 Fax: (0750) 3286163



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Test Report

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No.	Test Item	Unit	Technical Requirement of Standards		Test Result	Conclusion
1	Dimension deviation	mm	Length of side: ± 0.5		-0.3~+0.3	Qualified
			Thickness: ± 0.4		-0.3~+0.3	
			Total length: ± 2		-1.0~+0.9	
			Gap: ± 0.6		-0.3~+0.4	
			Periphery distance: 1~8		2.2~7.2	
2	Appearance quality	mm	Deformation	Depression: ≤ 0.3	0~0.18	Qualified
				Bending: ≤ 0.5	0.01~0.40	
			Side defect	Length: ≤ 4.0	Conform	
				Width: ≤ 2.0	Conform	
		—	Angle defect length: ≤ 4.0		Conform	
			Flaw: Not allowed		No flaw	
			Blemish: Not obvious		Conform	
			Wrinkle: Not concentrated		Conform	
3	Color and sheen	—	Basically uniform		Conform	Qualified
4	Physical and chemical performance	—	Adhesive fastness between glass mosaic and paving paper: Roll inward one block of mosaic from the paving paper to form a tube, and then flatten it; the paving paper should not be off after repeating the above test three times.		Not off	Qualified
		%	Time for paper peeling off	Any mosaic should not peel off after soaking 5min.	Not off	
				More than 70% mosaics should peel off after soaking 40min.	100	
		—	Thermo-stability: 90℃ → 18~25℃ 30min 10min 3 cycles		No flaw and breakage	
		%	Chemical stability	HCl solution (1 mol/L): keep 100℃ after 4h, weight change rate K ≥ 99.90	100.00	
				H ₂ SO ₄ solution (1 mol/L): keep 100℃ after 4h, weight change rate K ≥ 99.93	99.94	



Guangdong Jiangmen Supervision Testing Institute of Quality & Metrology
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No.	Test Item	Unit	Technical Requirement of Standards			Test Result	Conclusion
				NaOH solution (1 mol/L)	keep 100℃ after 1h ,weight change rate K ≥ 99.88	99.95	
				Distilled water	keep 100℃ after 4h ,weight change rate K ≥ 99.96	99.98	
5	Radionuclides	Bq • kg ⁻¹	Ra-226 specific activity C _{Ra}			100.47	Conform type A
			Th-232 specific activity C _{Th}			54.16	
			K-40specific activity C _K			272.33	
		—	Internal exposure index	type A I _{Ra} : ≤ 1.0		0.4	
				type B I _{Ra} : ≤ 1.3			
				type C: Do not meet the requirements of type A and B decoration materials.			
		—	External exposure index	type A I _t : ≤ 1.3		0.5	
				type B I _t : ≤ 1.9			
				type C I _t : ≤ 2.8			
6	The interlayers bond strength of the glass mosaic	—	Prepare 5 samples. Paste one side of the sample on the up-fixture and the other side on the down-fixture with epoxy resin. Remove the overflowing epoxy resin. After 72 h's standing, the fixtures install on the Materials Testing Machine .Pull the samples to vertical direction along the surface in 5mm/min .Record the max strength of extension and record the condition of the sample (broken or intact).			1# 8.38MPa Intact	—
						2# 6.87MPa Intact	
						3# 7.00MPa Intact	
						4# 9.24MPa Intact	
						5# 7.73MPa Intact	

ANNOTATIONS:

1. Test address (if different from the address mentioned above): _____
2. Address of the Client: 50 Xingdi Rd,Xinchang,Kaiping Guangdong,China. Postalcode: _____
3. Environment for Test: temperature 25℃~30℃, relative humidity 80%~90%,
4. Sampling procedure (if applicable): _____
5. Sample property and state: perfect and normal.
6. Explanation for deviation the standard (if applicable): _____
7. Explanation for undefined difference of result (if applicable): _____
8. Contracted item and contractor (if applicable): _____
9. If there is any objection concerning the report, it is required that the objection should be tell us within 15 days



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Guangdong Jiangmen Supervision Testing Institute of Quality & Metrology

Test Report

Page 4 Of 4

after got the report.

10. The symbol "/" in Test Result represents that the item is not being tested. The symbol "—" in Test Result represents inapplicability.
11. The Test Standard with the symbol "*" without qualification and accreditation.
12. The test report is translated from the Chinese version test report No. A201505123918. In case of divergence, the Chinese version shall be regarded as authentic.

广东省江门市质量监督检测所（原为江门市产品质量检测所）成立于 2007 年，是依法设立的第三方综合性产品质量监督检测机构。承担广东省质量技术监督局授权的综合性产品质量监督检测的法定机构。广东省江门市质量技术监督局下属事业单位。设立在本所的检测机构还有：广东省质量监督燃气安检站、广东省质量监督洗衣机检验站、广东省质量监督家用产品检验站、广东省质量监督家电产品检验站、广东省质量监督不锈钢制品检验站、广东省质量监督卫浴产品检验站（江门）、2007 年实验室通过中国实验室认可委员会（CNAL）认可，并在多个认可周期均获中国合格评定国家认可委员会（CNAS）认可及广东省质量技术监督局的计量认证和审查认可（验收）复评，出具的数据报告具有法律效力，并获美国、日本、澳大利亚、香港、台湾、新加坡等几十个国家和地区实验室认可组织的互认。

本实验室质量保证体系完善，检测手段先进，配备有气相色谱仪、离子色谱仪、液相色谱仪、液相质谱联用仪、气液联用仪、原子吸收仪、气相色谱仪、高效液相色谱仪等大型先进设备，竭诚为社会各提供检测服务，并代客处理材料检测业务。检测范围包括有色金属、建材、食品、饲料、化工、电子电器、玩具、纺织、塑料、皮革、涂料、胶粘剂、造纸、纺织、服装、摩托车及零部件等行业的产品。

本所检测电话：

检测、鉴定：3286165 3286157

检测、鉴定：3286154 3286148

检测、鉴定：3286163 3286159

检测、鉴定：3286167 3286162

检测、鉴定：3286161 3286160

标准资料：3286153

理化室：3286166

电子电器室：3286160

机械材料室：3286159

地址：江门市江海区外海路 1 号

网址：http://www.jqm.com.cn



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