



# 检测报告

## TEST REPORT

报告编号:  
REPORT NO.:

25201500783

样品名称:  
NAME OF SAMPLE:

仿古砖  
RUSTIC TILE [ MARS series ]

委托单位:  
APPLICANT:

广东欧文莱陶瓷有限公司  
GUANGDONG OVERLAND CERAMICS CO., LTD.

检验日期:  
DATE OF TEST:

11/03/2015 – 25/03/2015 (dd/mm/yy)

国家建筑卫生陶瓷检测重点实验室  
STATE KEY TESTING LABORATORY OF BUILDING CERAMICS AND SANITARY WARE  
佛山出入境检验检疫局检验检疫综合技术中心  
INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE  
OF FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU

# 佛山出入境检验检疫局检验检疫综合技术中心

INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF  
FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU

## 检测报告

### TEST REPORT

报告编号: 25201500783

共 7 页 第 2 页

Report No:

Page 2 of 7

样品名称 Name of sample	仿古砖 RUSTIC TILE	名义尺寸 Nominal size (N)	60cm×60cm
表面特性 Nature of the surface	有釉砖 Glazed (GL)	工作尺寸 Work size ( $S_w$ )	600mm×600mm×9.4mm
类别 Group	B I a	样品描述 Description of Samples	样品完好,适合测试 The samples are sound, intact and fit for test.
样品标记 Mark of samples	GIV6S4803	样品数量 Quantity of samples	30 块 30 Pieces
委托单位 Applicant	广东欧文莱陶瓷有限公司 GUANGDONG OVERLAND CERAMICS CO., LTD.	委托单位地址 Address of applicant	佛山三水左田 ZUOTIAN SANSUI FOSHAN GUANGDONG
委托单位电话 Telephone of applicant	86-18928568825	委托单位传真 Fax of applicant	/
样品来源 Source of Samples	委托单位自送样品 Samples selected by applicant	接样日期 Received on	10/03/2015
检验依据 Test Standard	1. ISO 13006:2012 Ceramic tiles – Definitions, classification, characteristics and marking Annex G Dry-pressed ceramic tiles with low water absorption $E_0 \leq 0.5\%$ Group BIa 2. GB 6566-2010 《建筑材料放射性核素限量》 Limit of radionuclides in building materials 3. EN 15771:2010 Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale 4. DIN 51130:2010 Testing of floor covering – Determination of the anti-slip properties – Workrooms and fields of activities with slip danger, walking method – Ramp test		
检验结论 Conclusion of Test	1. 样品经检验,所检验项目的检验结果符合 ISO 13006:2012 标准中附录 G 的规定。 The results conform to the requirement of Annex G of standard ISO 13006:2012 with respect to the test items. 2. 样品经检验,检验结果符合 GB 6566-2010 标准中 A 类装修材料要求。 The results conform to the requirement of Class A decorative materials of standard GB 6566-2010. 3. 莫氏硬度和防滑性能的检验结果见报告第 7-8 页。 The test result of scratch hardness of surface according to Mohs and Slip resistance see Page 7-8.		
检验单位盖章 Stamp of Test Unit	 日期: 30/03/2015 Date:	检验单位联系方式 Address of Test Unit	地址: 广东省佛山市禅城区魁奇一路澜石(国际)金属交易中心十八座二楼 Address: 2/F, Building 18, Lanshi International Metal Exchange Center, Kuigiyi Road, Chancheng District, Foshan, Guangdong, China (528000) 电话 (Tel): 86-757-83960558 86-757-83827991 传真 (Fax): 86-757-83827971 邮箱 (E-mail): fsiqtc@163.com 网址 (url): http://www.fsiqtc.com/
声明 Notes	1. 我们已尽所知所能实施上述检验,不能因签发本报告而免除有关各方根据合同和法律所承担的责任和义务。 All inspections are carried out conscientiously to the best of our knowledge and ability. This report does not in any respect absolve the other related parties from his contractual and legal obligations. 2. 未经本实验室书面许可,不得部分复制本报告; This report shall not be reproduced, except in full, without the prior written approval from the issuing laboratory. 3. 本报告仅是样品的检测结果。 The results in this report apply to the samples only.		

检验  
Tested by

审核  
Inspected by

批准  
Approved by



# 佛山出入境检验检疫局检验检疫综合技术中心

INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF  
FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU

## 检测报告

TEST REPORT

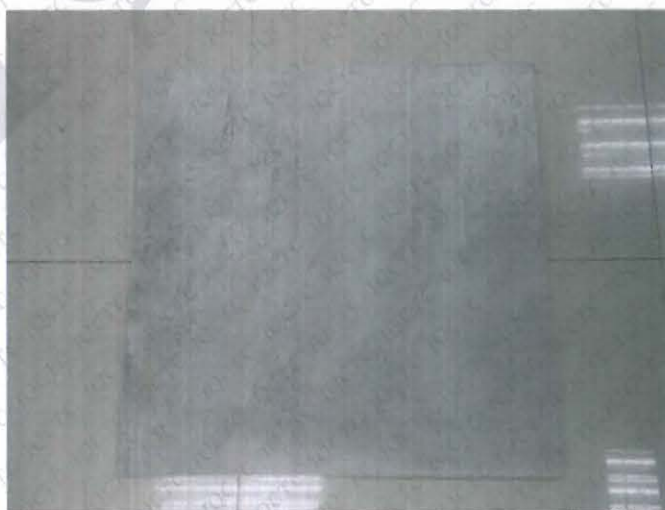
报告编号: 25201500783

Report No:

共 7 页 第 3 页

Page 3 of 7

样品照片  
Photo of Samples



# 佛山出入境检验检疫局检验检疫综合技术中心

INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF  
FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU

## 检测报告 TEST REPORT

报告编号: 25201500783

Report No:

共 7 页 第 4 页

Page 4 of 7

序号 Sequence Number	检验项目 Test Item		检验标准 Test Method	标准要求 Provisions of Standard	检验结果 Test Result	判定 Judgement
1	尺寸和表面质量 Dimensions and surface quality					
	长度和宽度 Length and width		GB/T 3810.2	每块砖的平均尺寸相对于工作尺寸的允许偏差为±0.5% The deviation, in percent, of the average size for each tile (2 or 4 sides) from the work size: ±0.5%	+0.02%~+0.06%	合格 Pass
				每块砖的平均尺寸相对于 10 块砖平均尺寸的允许偏差为±0.4% The deviation, in percent, of the average size for each tile(2 or 4 sides) from the average size of the 10 test specimens(20 or 40 sides): ±0.4%	-0.02%~+0.02%	合格 Pass
	厚度 Thickness	平均值 Average size	GB/T 3810.2	-----	9.4mm	----
		厚度偏差 Deviation		每块砖厚度的平均值相对于工作尺寸厚度的最大允许偏差±5% The deviation, in percent, of the average thickness of each tile from the work size thickness: ±5%	-0.72%~+0.82%	合格 Pass
	边直度 Straightness of sides		GB/T 3810.2	相对于工作尺寸的最大允许偏差为±0.3% The maximum deviation from straightness, in percent , related to the corresponding work sizes: ±0.3%	-0.02%~+0.03%	合格 Pass
	直角度 Rectangularity		GB/T 3810.2	相对于工作尺寸的最大允许偏差为±0.5% The maximum deviation from Rectangularity , in percent , related to the corresponding work sizes: ±0.5%	-0.08%~+0.08%	合格 Pass
	表面平整度 Surface flatness	中心弯曲度 Centre curvature	GB/T 3810.2	对于由工作尺寸计算的对角线的中心弯曲度为±0.4% Centre curvature, related to diagonal calculated from the work size: ±0.4%	-0.02%~+0.02%	合格 Pass
		边弯曲度 Edge curvature		对于由工作尺寸计算的边弯曲度为±0.4% Edge curvature, related to the corresponding work sizes: ±0.4%	-0.04%~+0.04%	合格 Pass
		翘曲度 Warpage		对于由工作尺寸计算的对角线的翘曲度为±0.4% Warpage, related to diagonal calculated from the work size: ±0.4%	-0.03%~+0.02%	合格 Pass
	表面质量 Surface quality		GB/T 3810.2	至少有 95%的砖其主要区域无明显缺陷 A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles	符合 Pass	合格 Pass



# 佛山出入境检验检疫局检验检疫综合技术中心

INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF  
FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU

## 检测报告 TEST REPORT

报告编号: 25201500783  
Report No:

共 7 页 第 5 页  
Page 5 of 7

序号 Sequence Number	检验项目 Test Item	检验标准 Test Method	标准要求 Provisions of Standard	检验结果 Test Result	判定 Judgement
2	物理性能 Physical properties				
	吸水率 Water absorption	GB/T 3810.3	平均值为 $E \leq 0.5\%$ , 单个值不大于 0.6% Average: $E \leq 0.5\%$ , Individual maximum 0.6%	平均值: 0.11% 最大值: 0.13% Average: 0.11% Individual maximum: 0.13%	合格 Pass
	破坏强度 Breaking strength	GB/T 3810.4	厚度 $\geq 7.5\text{mm}$ , 破坏强度平均值不小于 1300N Thickness $\geq 7.5\text{mm}$ , Not less than 1300N	2268N	合格 Pass
	断裂模数 Modulus of rupture	GB/T 3810.4	平均值不小于 35MPa, 单个值不小于 32MPa Minimum 35MPa, Individual minimum 32MPa	平均值: 43.2MPa 最小值: 40.7MPa Average: 43.2MPa Individual minimum: 40.7MPa	合格 Pass
	抗冲击性 Impact resistance	GB/T 3810.5	报告检验结果 Test method available	0.84	---
	有釉砖表面耐磨性 Resistance to surface abrasion of glazed tiles	GB/T 3810.7	报告磨损等级和转数 Report abrasion class and cycles passed	3 级 1500 转可见研磨痕 Class 3 Failure visible at 1500 revolutions	---
	线性热膨胀系数 (室温~100℃) Coefficient of linear thermal expansion from ambient temperature to 100℃	GB/T 3810.8	若陶瓷砖安装在高热变性的情况下, 应进行此项试验。 Test method available	$6.4 \times 10^{-6} \text{K}^{-1}$	---
	抗热震性 Thermal shock resistance	GB/T 3810.9	试验后, 所有样品无裂纹或炸裂。 Test method available	样品经试验, 无炸裂或裂纹。 Fully resistant	合格 Pass
	湿膨胀 Moisture expansion	GB/T 3810.10	报告检验结果 Test method available	0.01mm/m	---
	抗釉裂性 Crazing resistance	GB/T 3810.11	试验后, 釉面无裂纹或剥落。 Required	样品经试验, 无裂纹或剥落。 Fully resistant	合格 Pass
	抗冻性 Frost resistance	GB/T 3810.12	-5℃~+5℃100 次循环后, 所有样品无裂纹或剥落。 Required	所有样品无裂纹或剥落。 Fully frost resistant	合格 Pass
	静摩擦系数 Static coefficient of friction	GB/T 4100-2006 附录 M	报告检测值及使用的检测方法 Manufacturer to state value and test method used	干法 Dry 0.81 湿法 Wet 0.73	---

## 佛山出入境检验检疫局检验检疫综合技术中心

INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF  
FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU

## 检测报告

## TEST REPORT

报告编号: 25201500783

共 7 页 第 6 页

Report No:

Page 6 of 7

序号 Sequence Number	检验项目 Test Item		检验标准 Test Method	标准要求 Provisions of Standard	检验结果 Test Result	判定 Judgement
3	化学性能 Chemical properties					
	耐化学 腐蚀性 Resistance to chemicals	耐低浓度酸和碱 Resistance to low concentrations of acids and alkalis	GB/T 3810.13	制造商应报告耐化学腐蚀性等级 Manufacturer to state classification	GLA (V)	----
		耐高浓度酸和碱 Resistance to high concentrations of acids and alkalis	GB/T 3810.13	报告检验结果 Test method available	GHA (V)	----
		耐家庭化学试剂 和游泳池盐类 Resistance to household chemicals and swimming pool salts	GB/T 3810.13	不低于 GB 级 Minimum GB	GA (V)	合格 Pass
	耐污染性 Resistance to staining		GB/T 3810.14	不低于 3 级 Minimum Class 3	5 级 Class 5	合格 Pass
	铅溶出量 Lead release		GB/T 3810.15	报告检验结果 Test method available	<0.01mg/dm <sup>2</sup>	----
	镉溶出量 Cadmium release		GB/T 3810.15	报告检验结果 Test method available	<0.002mg/dm <sup>2</sup>	----
4	建筑材料放射性核素限量 Limit of radionuclides in building materials					
	镭-226 的放射性比活度 The specific activity of <sup>226</sup> Ra		GB 6566-2010	-----	122.9Bq/kg	----
	钍-232 的放射性比活度 The specific activity of <sup>232</sup> Th		GB 6566-2010	-----	104.2Bq/kg	----
	钾-40 的放射性比活度 The specific activity of <sup>40</sup> K		GB 6566-2010	-----	722.5Bq/kg	----
	内照射指数 <i>I<sub>Ra</sub></i> Internal exposure index <i>I<sub>Ra</sub></i>		GB 6566-2010	A 类装修材料 Class A decorative materials: <i>I<sub>Ra</sub></i> ≤1.0 B 类装修材料 Class B decorative materials: <i>I<sub>Ra</sub></i> ≤1.3	0.6	A 类 Class A
	外照射指数 <i>I<sub>γ</sub></i> External exposure index <i>I<sub>γ</sub></i>		GB 6566-2010	A 类装修材料 Class A decorative materials: <i>I<sub>γ</sub></i> ≤1.3 B 类装修材料 Class B decorative materials: <i>I<sub>γ</sub></i> ≤1.9 C 类装修材料 Class C decorative materials: <i>I<sub>γ</sub></i> ≤2.8	0.9	A 类 Class A

# 佛山出入境检验检疫局检验检疫综合技术中心

INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF  
FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU

## 检测报告 TEST REPORT

报告编号: 25201500783  
Report No:

共 7 页 第 7 页  
Page 7 of 7

EN 15771:2010 Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale

性能 Properties	检验方法 Method	检验结果 Results
莫氏硬度 Scratch hardness of surface according to Mohs	EN 15771	>9

\*\*\* \*\*

报告结束 End of Test Report