



中国认可  
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检测  
TESTING  
CNAS L1978



# 检测报告

## TEST REPORT

报告编号:

REPORT NO.:

95209707970

样品名称:

NAME OF SAMPLE:

釉面砖

GLAZED TILE

委托单位:

APPLICANT:

EXPOCASA S.A.S

检验日期:

DATE OF TEST:

03/01/2025 - 10/01/2025 ( 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

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样品名称 Name of Sample	釉面砖 GLAZED TILE	公称尺寸 Nominal Size	60cm×60cm
型号 Type	有釉砖 GLAZED	工作尺寸 Work size	600mm×600mm×9.7mm
类别 Group	B I b (0.5% < E ≤ 3%)	样品数量 Quantity of Samples	30 片 30 Pieces
样品记号 Mark of Samples	PIETRA TOBACCO MATT	样品描述 Description of Samples	样品完好,适合测试 The samples are sound, intact and fit for test.
委托单位 Applicant	EXPOCASA S.A.S	委托单位地址 Address of Applicant	VIA C. CERATO, 14 – 35122 PADOVA, ITALIA
委托单位电话 Telephone of Applicant	86-757-83203970	委托单位传真 Fax of applicant	86-757-83218842
样品来源 Source of Samples	委托单位自送样品 Sample selected by applicant	接样日期 Received on	03/01/2025
检验依据 Test Standard	1. AS ISO 13006:2013 Ceramic tiles – Definitions, classification, characteristics and marking Annex G Dry-pressed ceramic tiles with low water absorption 0.5 % ≤ E <sub>b</sub> ≤ 3% Group B I <sub>b</sub> 2. AS 4586:2013 Slip resistance classification of new pedestrian surface materials		
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 AS ISO 13006:2013 的规定。 The results conform to the requirement of AS ISO 13006:2013 with respect to the test items. 2. 防滑性能的检验结果见报告第 6 页。 The test result of Slip resistance see Page 6.		
检验单位盖章 Stamp of Test Unit	日期: 10/01/2025 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洲石(国际)金属交易中心十八座二楼 Address: 2/F, Building 18, Lanshi International Metal Exchange Center, Kuiqi 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 黄静

审核  
Inspected by 赵江峰

批准  
Approved by 肖景

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AS ISO 13006:2013 Ceramic tiles – Definitions, classification, characteristics and marking						
条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts	
附录 G 表 G.1 Annex G Table G.1	尺寸和表面质量 Dimensions and surface quality					
	长度和宽度 Length and Width	AS 4459.2	N≥15cm	±0.6%	+0.01%~+0.04%	P
	每块砖的平均尺寸相对于工作尺寸的允许偏差 The deviation of the average size for each tile ( 4 sides) from the work size			±2.0mm	+0.1mm ~+0.2mm	P
	厚度 Thickness					
	制造商应声明厚度 The thickness shall be specified by the manufacturer	—	声明厚度 Declared thickness	9.7mm	—	
	每块砖厚度的平均值相对于工作尺寸的最大允许偏差 The deviation of the average thickness of each tile from the work size thickness	AS 4459.2	N≥15cm	±5%	-0.41%~+0.93%	P
				±0.5mm	0 ~+0.1mm	P
	边直度 Straightness of sides	AS 4459.2	N≥15cm	±0.5%	+0.01%~+0.02%	P
	相对于工作尺寸的最大允许偏差 The maximum deviation from straightness related to the corresponding work sizes			±1.5mm	0 ~+0.1mm	P
	直角度 Rectangularity	AS 4459.2	N≥15cm	±0.5%	-0.13%~+0.13%	P
	相对于工作尺寸的最大允许偏差 The maximum deviation from Rectangularity related to the corresponding work sizes			±2.0mm	-0.8mm ~+0.8mm	P
	表面平整度: 最大允许偏差 Surface flatness: The maximum deviation from flatness					
	a)对于由工作尺寸计算的对角线的中心弯曲度 a) centre curvature, related to diagonal calculated from the work size;	AS 4459.2	N≥15cm	±0.5%	-0.06%~ -0.05%	P
				±2.0mm	-0.5mm~-0.4mm	P
	b)对于由工作尺寸计算的边弯曲度 b) edge curvature, related to the corresponding work sizes;	AS 4459.2	N≥15cm	±0.5%	-0.08%~ -0.06%	P
				±2.0mm	-0.5mm ~-0.4mm	P
	c)对于由于工作尺寸计算的对角线的翘曲度 c) warpage, related to diagonal calculated from the work size.	AS 4459.2	N≥15cm	±0.5%	+0.06%~+0.07%	P
				±2.0mm	+0.5mm~+0.6mm	P
	表面质量 Surface quality	AS 4459.2	至少有 95%的砖其主要区域无明显缺陷 A minimum of 95 % of the tiles are to be free from visible defects which can impair the appearance of a major area of tiles		100%	—

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AS ISO 13006:2013 Ceramic tiles – Definitions, classification, characteristics and marking

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
附录 G 表 G1 Annex G Table G1	<b>物理性能</b> Physical properties				
	吸水率 质量分数 Water absorption Percent mass fraction	AS 4459.3	$0.5\% < E_a \leq 3\%$	1.67%	P
			单个值不大于 3.3% Individual maximum 3.3%	1.67%~1.79%	P
	破坏强度/N Breaking strength, in N 厚度 $\geq 7.5\text{mm}$ Thickness $\geq 7.5\text{mm}$	AS 4459.4	$\geq 1300$	2050	P
	断裂模数(N/mm <sup>2</sup> ) Modulus of rupture, in N/mm <sup>2</sup> 不适用于破坏强度 $\geq 3000\text{N}$ 的陶瓷砖 Not applicable to tiles with breaking strength $\geq 3000\text{N}$	AS 4459.4	平均值 $\geq 35$ Minimum 35	44.4	P
			单个值 $\geq 32$ Individual minimum 32	42.8~45.6	P
	抗冲击: 恢复系数 Impact resistance: Coefficient of restitution (COR)	AS 4459.5	报告检验结果 Test method available	0.88	—
	耐磨性 Abrasion resistance 用于地面的有釉砖的表面耐磨性 Resistance to surface abrasion of glazed tiles intended for use on floors	AS 4459.7	报告耐磨级别 Report abrasion class	4 级 Class 4	—
			报告耐磨转数 Report cycles passed	2100	—
	线性热膨胀系数(室温~100℃) Coefficient of linear thermal expansion: from ambient temperature to 100℃	AS 4459.8	报告检验结果 Test method available	$5.9 \times 10^{-6} \text{K}^{-1}$	—
	抗热震性 Thermal shock resistance	AS 4459.9	报告检验结果 Test method available	样品经试验, 无炸裂 或裂纹 Fully resistance	—
	抗釉裂性: 有釉砖 Crazing resistance: glazed tiles	AS 4459.11	应通过此项测试 Required	样品经试验, 无裂纹 或剥落 Fully resistance	P
	湿膨胀/(mm/m) Moisture expansion, in mm/m	AS 4459.10	报告检验结果 Test method available	0.01	—
	<b>化学性能</b> Chemical properties				
	<b>耐污染性</b> Resistance to staining				
	a) 轻油中的铬绿 a) Green staining agent in light oil	AS 4459.14	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	b) 轻油中的红色污染物 b) Red staining agent in light oil	AS 4459.14	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	c) 13g/L 碘酒液 c) Iodine, 13g/L solution in alcohol	AS 4459.14	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	d) 橄榄油 d) Olive oil	AS 4459.14	不低于 3 级 Minimum Class 3	5 级 Class 5	P

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AS ISO 13006:2013 Ceramic tiles – Definitions, classification, characteristics and marking

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
附录 G 表 G.1 Annex G Table G.1	耐化学腐蚀性 Resistance to chemicals				
	耐家庭化学试剂和游泳池盐类 Resistance to household chemicals and swimming pool salts				
	a) 家庭化学试剂: 氯化铵溶液, 100g/L a) Household chemicals: Ammonium chloride, 100g/L	AS 4459.13	不低于 GB Minimum GB	GA	P
	b) 游泳池盐类: 次氯酸钠溶液, 20mg/L b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	AS 4459.13	不低于 GB Minimum GB	GA	P
	耐低浓度酸和碱 Resistance to low concentrations of acids and alkalis				
	a) 3%盐酸溶液(v/v) a) Hydrochloric acid solution, 3% (v/v)	AS 4459.13	制造商声明等级 Manufacturer to state classification	GLA	—
	b) 柠檬酸溶液, 100g/L b) Citric acid solution, 100g/L	AS 4459.13	制造商声明等级 Manufacturer to state classification	GLA	—
	c) 氢氧化钾溶液, 30g/L c) Potassium hydroxide, 30g/L	AS 4459.13	制造商声明等级 Manufacturer to state classification	GLA	—
	耐高浓度酸和碱 Resistance to high concentrations of acids and alkalis				
	a) 18%盐酸溶液(v/v) a) Hydrochloric acid solution, 18% (v/v)	AS 4459.13	报告检验结果 Test method available	GHA	—
	b) 5%乳酸溶液(v/v) b) Lactic acid, 5% (v/v)	AS 4459.13	报告检验结果 Test method available	GHA	—
	c) 氢氧化钾溶液, 100g/L c) Potassium hydroxide, 100g/L	AS 4459.13	报告检验结果 Test method available	GHA	—
	铅镉溶出量 Lead and Cadmium release				
	a) 铅溶出量/(mg/dm <sup>2</sup> ) a) Lead release, in mg/dm <sup>2</sup>	AS 4459.15	报告检验结果 Test method available	<0.01	—
	b) 镉溶出量/(mg/dm <sup>2</sup> ) b) Cadmium release, in mg/dm <sup>2</sup>	AS 4459.15	报告检验结果 Test method available	<0.002	—
用语说明 Possible test case verdicts 1. P(ass): 合格 Test item does meet the requirement. 2. F(ail): 不合格 Test item does not meet the requirement. 3. —: 未进行判定 Verdict was not carried out. 4. N/A: 不适用 Test case does not apply to the test item.					



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AS 4586:2013 Slip resistance classification of new pedestrian surface materials		
性能 Properties	检验方法 Method	检验结果 Results
色差分类 Shade variation	/	V2
防滑性能, 倾斜平台法, 油法 Slip resistance, Oil-wet inclining platform test method	AS 4586:2013 Appendix D 附录 D	修正后的平均动态临界角( $\alpha_{av}$ ): 17.9° Corrected mean overall acceptance angle ( $\alpha_{av}$ ): 17.9°  防滑类别: R10 Classification: R10

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报告结束 End of Test Report