

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

CERTIFICATE
Of Conformity

Certificate No: 25201903186
Applicant: FOSHAN MUZZI DECOR AND TILE CO., LTD
Address of Applicant: BLOCK 7TH, NO.148 OF YUEJIN ROAD, SHIWAN, FOSHAN, GUANGDONG, CHINA
Product: PORCELAIN TILE
Type designation: MZ120, MZ220, MZ320, MZ820, MZ060G, MZ160G, MZ560G, MZ860G, MZ110G, MZ210G, MZ310G, MZ410G, MZ510G, MZ810G, MZ271G, MZ371G
Technical data: Dry-pressed ceramic tiles for floorings and wall finishes, internal and external, with water absorption $E_b \leq 0.5\%$, Group B I a, 60cm × 60cm, Rough, Glazed

The submitted samples of the above product have been tested for CE marking according to the following European Regulation:

(EU)No.305/2011- the Construction Products Regulation

Standard used for showing compliance with the essential requirements in the specified directive:

Standard	Test report	Issued by	Date
EN 14411:2016	25201903186	IQCTC of FSCIQ	Aug. 22, 2019

The referred test report shows that the product complies with standard recognized as giving presumption of compliance with the essential requirements in the specified EU Directive.

After preparation of the necessary technical documentation as well as the conformity declaration the CE marking as shown below can be affixed on the product. Other relevant Directives have to be observed.

This certificate is **NOT** valid for: *i*) uses in suspended ceilings; *ii*) uses subject to requirements against accidental fall of objects on to transit areas; *iii*) uses subject to dangerous substances regulations; *iv*) uses in vehicular circulation areas.

This document is the property of Inspection and quarantine comprehensive technology centre of Foshan Entry-exit Inspection & Quarantine Bureau, and it is not transferable. Only the applicant may reproduce this certificate.




YUAN FANGLI

Director

Issue Date: Aug. 22, 2019
Expiration Date: Aug. 21, 2020



Note: This certificate is part of the full report and should be read in conjunction with it.

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2/F, Building 18, Lanshi International Metal Exchange Center, Kuiqi Road, Chancheng District, Foshan, Guangdong, China (528000)
TEL: 86-757-83960558 FAX: 86-757-83827971

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中国认可
国际互认
检测
TESTING
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检测报告

TEST REPORT

报告编号:
REPORT NO.: 25201903186

样品名称:
NAME OF SAMPLE: 瓷质砖
PORCELAIN TILE

委托单位:
APPLICANT: 佛山市慕瓷建材有限公司
FOSHAN MUZZI DECOR AND TILE CO., LTD

检验日期:
DATE OF TEST: 05/08/2019 – 16/08/2019 (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 W RE
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
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INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF
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检测报告

TEST REPORT

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样品名称 Name of sample	瓷质砖 PORCELAIN TILE	名义尺寸 Nominal size (N)	60cm×60cm
表面特性 Nature of the surface	有釉 Glazed (GL)	工作尺寸 Work size	600mm×600mm×10.0mm
类别 Group	B I a	预期用途 Intended use	室内外墙地砖 Floorings and wall finishes, Interior and exterior
样品标记 Mark of samples	MZ220	样品数量 Quantity of samples	30 块 30 Pieces
委托单位 Applicant	佛山市慕瓷建材有限公司 FOSHAN MUZZI DECOR AND TILE CO., LTD	委托单位地址 Address of applicant	佛山市禅城区石湾镇街道跃进路 148 号 7 幢之三 BLOCK 7TH, NO.148 OF YUEJIN ROAD, SHIWAN, FOSHAN, GUANGDONG, CHINA
委托单位电话 Telephone of applicant	86-13928259465	委托单位传真 Fax of applicant	86-757-83051096
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	02/08/2019
检验依据 Test Standard	1. EN 14411:2016 <i>Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking</i> Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group Bla ($E_b \leq 0,5 \%$) 2. EN 15771:2010 <i>Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale</i>		
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 EN 14411:2016 标准中附录 G 的规定。 The results conform to the requirement of Annex G of standard EN 14411:2016 with respect to the test items. 2. 莫氏硬度的检验结果见报告第 6 页。 The test results of scratch hardness of surface according to Mohs see Page 6.		
检验单位盖章 Stamp of Test Unit		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, 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.		

检验负责人

Tested by

杨旭

审核

Inspected by

肖勇

批准

Approved by

袁其山

佛山出入境检验检疫局检验检疫综合技术中心

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委托单位声明

Remark of applicant

产品系列名称: 瓷质砖

Product family: PORCELAIN TILE

表面特性: 凹凸面, 有釉

Nature of the surface: Rough, Glazed (GL)

产品类别 Group: B I a

名义尺寸 Nominal size (N): 60cm×60cm

本系列所包含的产品型号 Items in the family:

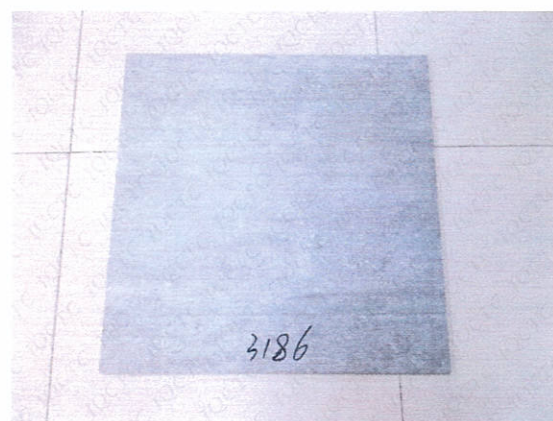
MZ120, MZ220, MZ320, MZ820, MZ060G, MZ160G, MZ560G, MZ860G, MZ110G, MZ210G, MZ310G, MZ410G, MZ510G, MZ810G, MZ271G, MZ371G

本系列所包含产品型号的吸水率、使用的材料、采用的成型方法以及表面特征是一致的, 区别在于外观设计。

All items in the family are same in water absorption, material, method of manufacture and natural of surface except for the design of appearance.

样品照片

Photo of Samples



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EN 14411:2016 Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group BIa ($E_b \leq 0,5\%$)					
条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
A	尺寸和表面质量 Dimensions and surface quality				
A.1	长度和宽度 Length and Width 每块砖的平均尺寸相对于工作尺寸的允许偏差 The permissible deviation of the average size for each tile (4 sides) from the work size	EN ISO 10545-2:2018	$\pm 0.6\%$	-0.03%~-0.01%	P
			$\pm 2.0\text{mm}$	-0.2mm ~-0.1mm	P
A.2	厚度 Thickness 每块砖厚度的平均值相对于工作尺寸的最大允许偏差 The permissible deviation, of the average thickness of each tile from the work size thickness	EN ISO 10545-2:2018	$\pm 5\%$	-0.9%~+0.3%	P
			$\pm 0.5\text{mm}$	-0.1mm ~0	P
B	物理性能 Physical properties				
B.1	吸水率 质量分数 Water absorption Percent mass fraction	EN ISO 10545-3:2018	$E_b \leq 0.5\%$	0.08%	P
			单个值不大于 0.6% Individual maximum 0.6%	0.07% ~ 0.10%	P
B.2	破坏强度/N Breaking strength, in N	EN ISO 10545-4:2019	≥ 1300	2948	P
B.3	断裂模数/(N/mm ²) Modulus of rupture, in N/mm ² 不适用于破坏强度 $\geq 3000\text{N}$ 的陶瓷砖 Not applicable to tiles with breaking strength $\geq 3000\text{N}$	EN ISO 10545-4:2019	平均值 ≥ 35 Minimum 35	54.4	P
			单个值 ≥ 32 Individual minimum 32	52.1 ~ 56.5	P
B.4	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	EN ISO 10545-7:1998	报告耐磨级别 Report abrasion class	4 级 Class 4	—
			报告耐磨转数 Report cycles passed	2100	—
B.6	抗热震性 Thermal shock resistance	EN ISO 10545-9:2013	应通过此项测试 Pass	样品经试验, 无炸裂或裂纹 Fully resistance	P
B.7	抗釉裂性: 有釉砖 Crazing resistance: glazed tiles	EN ISO 10545-11:1996	应通过此项测试 Pass	样品经试验, 无裂纹或剥落 Fully resistance	P
B.8	抗冻性 Frost resistance	EN ISO 10545-12:1997	应通过此项测试 Pass	所有样品无裂纹或破损 Fully resistance	P

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EN 14411:2016 Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group BIa ($E_b \leq 0,5\%$)					
条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
B.9	防滑性能 Slipperiness	DIN 51130:2014	报告检验结果 Declared value	α ges: 14.4°	—
				类别 Classification: R10	—
B.14	防火性能 Reaction to fire	无需测试 CWT	A1 or A1 _{FL} 级 Class A1 or A1 _{FL}	墙砖: A1 级 地砖: A1 _n 级 Used for walls: Class A1 Used for floorings: Class A1 _n	P
C	化学性能 Chemical properties				
C.1	耐污染性 Resistance to staining				
	a) 轻油中的铬绿 a) Green staining agent in light oil	EN ISO 10545-14:2015	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	EN ISO 10545-14:2015	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	EN ISO 10545-14:2015	不低于 3 级 Minimum Class 3	5 级 Class 5	P
	d) 橄榄油 d) Olive oil	EN ISO 10545-14:2015	不低于 3 级 Minimum Class 3	5 级 Class 5	P
C.2	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				
	家庭化学试剂: 氯化铵溶液, 100g/L a) Household chemicals: Ammonium chloride, 100g/L	EN ISO 10545-13:2016	不低于 B 级 Minimum class B	A	P
	b) 游泳池盐类: 次氯酸钠溶液, 20mg/L b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	EN ISO 10545-13:2016	不低于 B 级 Minimum class B	A	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)	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—
	b) 柠檬酸溶液, 100g/L b) Citric acid solution, 100g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—
	c) 氢氧化钾溶液, 30g/L c) Potassium hydroxide, 30g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—



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EN 14411:2016 <i>Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking</i> Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group BIa ($E_b \leq 0,5\%$)					
条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
C.2	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)	EN ISO 10545-13:2016	报告检验结果 Declared value	HA	—
	b) 5%乳酸溶液(v/v) b) Lactic acid, 5% (v/v)	EN ISO 10545-13:2016	报告检验结果 Declared value	HA	—
	c) 氢氧化钾溶液, 100g/L c) Potassium hydroxide, 100g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	HA	—
用语说明 Possible test case verdicts 1. P(ass): 合格 <i>Test item does meet the requirement.</i> 2. F(ail): 不合格 <i>Test item does not meet the requirement.</i> 3. —: 未进行判定 <i>Verdict was not carried out.</i> 4. N/A: 不适用 <i>Test case does not apply to the test item.</i>					

EN 15771:2010 <i>Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale</i>		
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 15771:2010	>7

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报告结束 End of Test Report

