

COMPACT LYME GLOSS 299x296



Class 1 Building Product Information Requirements Self-Assessment

Product Name: COMPACT LYME GLOSS 299x296

Product Identifier: COMLYM29

Product Description: A glazed porcelain mosaic with an gloss finish and a water absorption rate of less than 0.13%.

Building Code Obligations

Code Clauses:

B2 – Durability

B2.3.1

C3 – Fire affecting areas beyond the source

D1 – Access routes

D1.3.3

E3 – Internal moisture

E3.3.2, 3.3.3, 3.3.4

G3 – Food preparation and prevention of contamination

G3.3.2

G6 – Airborne and Impact sound

G6.3.1



BPIR COMPLIANT



Scope	Use
B2 Durability	See below Suitability table.
C3 Fire	The Building Code relating to fire ratings regulation and standards become mandatory from April 2013, establishing the list of products belonging to Classes A 'No Contribution to Fire' provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC.
D1 Access Routes	Not acceptable for use under D1/AS1
E3 Internal Moisture	Under E3 Tiles installed over a waterproof membrane using a nonporous Grouting system, are an acceptable solution.
G3 Food Preparation and Prevention from Contamination	As an Impervious and easy to clean Surface this range complies
G6 Airborne and Impact Sound	If required Tiles can form part of an acoustic system to comply with IIC and STC in conjunction with an approved third-party system.

Suitability	Residential	Light Commercial	Commercial	Industrial
Indoor Floor	-	-	-	-
Indoor Walls	✓	✓	✓	✓
Outdoor Floor	-	-	-	-
Outdoor Cladding	✓	✓	✓	✓
Frost Resistant	✓	✓	✓	✓
Swimming Pool Submerged	-	-	-	-
Swimming Pool Surround	-	-	-	-
Paving	-	-	-	-
Over Underfloor Heating	✓	✓	✓	✓
Commercial Kitchen Wall	✓	✓	✓	✓
Within 1.5m of a Plumbing Fixture or Fitting	✓	✓	✓	✓

Note – this building product is not subject to a warning or ban under section 26 of the Building Act 2004

Specifications	
CODE	COMLYM29
TILE SIZE (mm)	299x296
THICKNESS (mm)	10
SUITABILITY	Wall
FINISH	Gloss
CLASS	Mosaic - Suitable for walls only and unsuitable for use on floors.
RECTIFIED	No
WEIGHT (kg)	1.20
COEFFICIENT OF FRICTION	
SLIP RATING	
TILES PER BOX	11
M2 PER BOX	0.00
PATTERNS/FACES	1
COUNTRY OF ORIGIN	China

Building Code Clause and Contribution

B2 - Durability

Compliance with B2 Durability is about providing evidence that the product will meet the relevant durability life in the context of the environment in which it will be located.

The building code sets out the framework for establishing the relevant durability life of building elements based on a number of criteria. B2/AS1 provides a decision tree to establish the relevant durability for common building materials in different circumstances.

Having determined the durability life of the product, the next step is to determine if the product, when exposed to the environment, will continue to perform for the relevant period. A key tool which a product supplier can consider in claiming compliance is limiting the environment in which the product will be exposed to (e.g. a ferrous material used in an indoor environment will last longer than it would when exposed to salt spray — in this example it would be appropriate for the supplier to condition the compliance information to use only in indoor environments).

C3 – Fire affecting areas beyond the source.

C3 Fire affecting areas beyond the fire source is primarily about ensuring that fire does not spread from a fire in the building (in both vertically and horizontally) and from an adjacent building.

The prime product attribute used is the fire resistance rating (FRR) methodology. In most cases a product is combined with other products to achieve a FRR (e.g. an external wall fire rating may be formed by the combination of the external cladding, thermal insulation and the internal lining).

C/AS1 and C/AS2 set out performance criteria for buildings and in particular the FRR requirements for various types of buildings and parts of buildings. Appendix C of C/AS2 sets out test methods for the building elements involved in spread of fire. Appendix B of C/AS2 sets out performance criteria for sprinkler systems while Appendix A sets out criteria for fire safety systems such as alarms and hydrants.

D1 – Access routes

For D1 access routes, in most cases product-related compliance for access routes are slip resistance for floors and the shapes/locations etc of handrails. The Acceptable Solution for access D1/AS1 and NZS 4121:2001 provide good information on compliance for products on access routes.

E3 – Internal Moisture

E3 Internal Moisture is about ensuring that moisture created within the building does not lead to mould or create damage to adjacent buildings or structural elements in the building in which it is installed.

Prevention of the creation of mould is a combination of temperature, insulation and ventilation. Prevention of water damaging other building elements is mainly about installation details (i.e. sealing joints) as well as impervious products. E3/AS1 provides some useful design details, albeit without much product material information.

G3 – Food preparation and prevention of contamination

G3 Food preparation and prevention from contamination for a product (such as a kitchen bench) is mainly associated with being easily cleaned and impervious.

G3/AS1 provides some general design details for food preparation areas but has no referenced product standards, although the document does state some acceptable materials used for surfaces. Compliance with G3/AS1 is not mandatory but provides a good benchmark for compliance.

G6 – Airborne and Impact Sound

For a product, G6 Airborne and impact sound is generally about systems which are designed to work together to achieve the necessary sound attenuation.

The code itself at G6.3.2 sets a quantifiable performance level: “The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55” and G6.3.2 sets the impact insulation class of floors shall be no less than 55. The Acceptable Solution G6/AS1 sets out the transmission and impact insulation class of common wall systems. G6/VM1 sets out test methodologies where the details do not match those of G6/AS1.

Manufacturer Details:

Tile Warehouse Approved



Importer Details:

Tile Warehouse Limited

Address: 286 Church Street, Onehunga, AKL 1061

NZBN: 9429041069448

Website: www.tilewarehouse.co.nz

佛山海关综合技术中心

COMPREHENSIVE TECHNOLOGY CENTRE OF FOSHAN CUSTOMS

检测报告

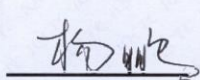
TEST REPORT

报告编号: 25202105086

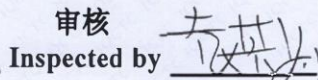
Report No:

样品名称 Name of sample	釉面马赛克 GLAZED MOSAIC	名义尺寸 Nominal size (N)	14.5cm× 2cm
表面特性 Nature of the surface	有釉 Glazed (GL)	工作尺寸 Work size	145mm× 20mm× 8.1mm
类别 Group	BIa	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	KITKAT2014501	样品数量 Quantity of samples	1箱 1 BOX
委托单位 Applicant	佛山市玛邦装饰材料有限公司 FOSHAN MABANG DECORATION MATERIAL CO., LTD.	委托单位地址 Address of applicant	中国广东省佛山市丹灶田心工业区 TIANKUN INDUSTRIAL ZONE, DANZAO FOSHAN GUANGDONG CHINA
委托单位电话 Telephone of applicant	86-757-82728031	委托单位传真 Fax of Applicant	86-757-82270918
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	16/12/2021
检验依据 Test Standard	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 ($E_w \leq 0,5\%$)		
检验结论 Conclusion of Test	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.		
检验单位盖章 Stamp of Test Unit	 日期: 31/12/2021 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, Kuiqi Road, Chancheng District, Foshan, Guangdong, China (528000) 电话 (Tel): 86-757-83960558 86-757-83827991 传真 (Fax): 86-757-83827971
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. 4、本报告所述的样品信息为委托单位自行声明,实验室不负责其真实性。 The product information are declared by applicant, and laboratory is not responsible for the authenticity.		

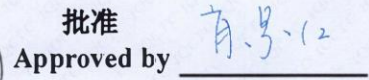
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审核



批准



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检测报告

TEST REPORT

报告编号: 25202105086

Report No:

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 Length 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 (2 sides) from the work size	EN ISO 10545-2:2018	$\pm 0.9\text{mm}$	$+0.2\text{mm} \sim +0.4\text{mm}$	P
	宽度 Width 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 (2 sides) from the work size	EN ISO 10545-2:2018	$\pm 0.5\text{mm}$	$-0.1\text{mm} \sim 0$	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	$\pm 0.5\text{mm}$	$0 \sim +0.1\text{mm}$	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	$E_b \leq 0.5\%$	0.13%	P
			单个值不大于 0.6% Individual maximum 0.6%	0.06%~0.29%	P
B.2	破坏强度/N Breaking strength, in N	EN ISO 10545-4:2019	≥ 1300	1962	P
B.3	断裂模数/(MPa) Modulus of rupture, in MPa 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	55.0	P
			单个值 ≥ 32 Individual minimum 32	51.1~58.9	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	3级 Class 3	—
			报告耐磨转数 Report cycles passed	1500	—
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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Report No:

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
防滑性能 Slipperiness					
B.9	倾斜平台法, 动态临界角, α_{ges} Shod Ramp Test, critical angle, α_{ges}	DIN 51130:2014	报告检验结果 Declared value	<5.0°	—
	摆锤法, PTV 96 Pendulum friction test, PTV 96	CEN/TS 16165:2016 附录 C Annex C	报告检验结果 Declared value	干法 Dry: 56 湿法 Wet: 10	—
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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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>					

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报告结束 End of Test Report



FIRE PERFORMANCE

BE 100% CONFIDENT IN THE PRODUCTS YOU SPECIFY



“ The Grenfell Tower tragedy in London highlights the importance to specifiers of ensuring the products they specify (from flooring to cladding materials) are fire-resistant in order to conform to the building code relating to fire rating regulations. ”



TILES DO NOT REQUIRE TESTING AS THEY DO NOT CONTRIBUTE TO FIRE

In New Zealand, fire ratings are required by the Building Code to ensure that if a building is on fire, its construction materials do not significantly increase the spread or intensity of a fire. Tiles, being non-combustible, do not require testing as they do not contribute to fire. Aside from this, tiles by nature do not contain any form of petroleum-based product or wood fibres and are in essence, fire-proof and non toxic!

The building code relating to fire rating regulations and standards became mandatory from April 2013, establishing the list of products belonging to Classes A 'No contribution to fire' provided for in Decision 94/611/EC implementing Article 20 of Council Directive 89/106/EEC.

WHAT YOU NEED TO KNOW:

- Because most ceramics are manufactured at over 1000 degrees celsius, they become fire-resistant and therefore an obvious choice for both commercial and residential floor and wall surfaces. For example, if a lighted cigarette is dropped on the floor, it will not do any damage to the tile. Even hot kitchen pans or skillets will not scorch or melt the surface of tile, let alone set the tile on fire.
- Tiles are non-combustible so do not catch fire, nor do they give off toxic fumes in the form of VOC's (Volatile Organic Compounds) affecting breathing, when exposed to fire.
- During the manufacture of tiles, any VOC's that may have been present in clays or binders are completely burned away which ensures the final product is inert.



A safe and simple approach with regards to Fire performance in products is to utilise tile for both **Floor** and **Wall** areas. To view latest styles and designs to suit Commercial Projects, see our tile and stone range; <https://www.tilewarehouse.co.nz/tile-stone-range/>