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中国认可
国际互认
检测
TESTING
CNAS L1401

检 验 报 告

Test Report

Product name: Glazed Porcelain Tiles

Type/Model: 600mm×600mm×8mm

Client: FOSHAN KIVA CERAMICS CO.,LTD

Manufacturer: FOSHAN KIVA CERAMICS CO.,LTD

Test type: Type Test

Date of issue: 2022-05-25

佛 山 市 质 量 计 量 监 督 检 测 中 心

Foshan Supervision Testing Center of Quality and Metrology

国家陶瓷及水暖卫浴产品质量检验检测中心

National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture

(检验专用章)

No. G22-XJ0493E

Foshan Supervision Testing Center of Quality and Metrology

National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture

Test Report

Product name, Type/Model, Trade mark, Grade	Glazed Porcelain Tiles 600mm×600mm×8mm ——/——	Date of manufacture/ Batch No.	——/——
		Sample No.	——
Client	FOSHAN KIVA CERAMICS CO.,LTD	Test type	Type test
Client Address	XIAODONG INDUSTRY, GENG HE TOWN, GAOMING ,FOSHAN CITY	Sample Quantity / Method of Sample Receipt	30 PCS/ Provided by client
Manufacturer (Provided by client)	FOSHAN KIVA CERAMICS CO.,LTD	Receiving date	2022-04-27
Manufacturer address (Provided by client)	XIAODONG INDUSTRY, GENG HE TOWN, GAOMING ,FOSHAN CITY	Sample Received by	Deng Kuanchang
Sample status	Pieces（Glazed）	Test Date	2022-04-28～ 2022-05-25
Tested according to	*GB/T4100-2015 (Annex G) Ceramic Tiles Annex G Dry-pressed ceramic tiles with Low water absorption E≤0.5% Group BIa; GB 6566-2010 Limit of radionuclides in building materials*		
Test conclusion	Except the test items No.14～No.22 are not verdict, the test results comply with the requirement of the standard GB/T 4100-2015 Annex G and the type A requirement for the decorative materials of the standard GB 6566-2010,the test is passed. 2022-05-25 Any copy of test report is invalid without official test seal		
Note	——		

Approved by : 曹阳 Checked by : 吴伟超 Tested by : 陈锦辉

Foshan Supervision Testing Center of Quality and Metrology

National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture

Test Report

No.	Test Items	Unit	Technical Requirements			Test Results	Verdict
1	Size and difference	%	Length	The deviation, of the average size for each tile from the work size	±0.6	-0.02～+0.05	Pass
		mm			Maximum ±2.0	-0.1～+0.3	
		%	Thickness	The deviation, of the average size for each tile from the work size	±5.0	-3.8～-2.5	
		mm			Maximum ±0.5	-0.3～-0.2	
2	Straightness of sides	%	±0.5			-0.03～+0.06	Pass
		mm	Maximum±1.5			-0.18～+0.36	
3	Rectangularity	%	±0.5			-0.04～+0.04	Pass
		mm	Maximum±2.0			-0.22～+0.22	
4	Surface flatness	%	Edge curvature		±0.5	-0.01～+0.05	Pass
		mm			Maximum±2.0	-0.07～+0.31	
		%	Warpage		±0.5	-0.02～+0.03	
		mm			Maximum±2.0	-0.20～+0.23	
		%	Center curvature		±0.5	-0.02～+0.03	
		mm			Maximum±2.0	-0.18～+0.23	
5	Surface quality	——	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.			Conformed	Pass
6	Water absorption	%	Average maximum 0.5 Individual maximum 0.6			0.04 0.03～0.05	Pass
7	Breaking strength	N	When the thickness≥7.5mm, the mean value shall not be less than 1300			1375	Pass
8	Modulus of rupture	MPa	Average minimum 35 Individual minimum 32			45 44～47	Pass
9	Crazing resistance	——	No crazing or peeling on the glazed surface after the crazing test.			Conformed	Pass
10	Frost resistance	——	No crack or peeling after the frost test			Conformed	Pass
11	Resistance to staining	——	Minimum class 3			Class 5	Pass
12	Resistance to household chemicals & swimming pool salts	——	Minimum GB			Class GA	Pass
13	Static coefficient of friction	——	≥0.50			Dry 0.63～0.65	Pass

Foshan Supervision Testing Center of Quality and Metrology

National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture

Test Report

No.	Test Items	Unit	Technical Requirements	Test Results		Verdict
14	Resistance to thermal shock	——	Report the test result after test	No crack		——
15	Resistance to low concentrations of acids and alkalis	——	Manufacturer to state classification	Class GLA		——
16	Resistance to high concentrations of acids and alkalis	——	Manufacturer to state classification	Class GHA		——
17	Surface abrasion	——	Report abrasion class and cycles passed	6000 cycles	Class 4	——
18	Coefficient of linear thermal expansion	$℃^{-1}$	Report the coefficient of linear thermal expansion	6.5×10^{-6}		——
19	Moisture expansion	%	Report the test result after test	<0.01		——
20	Impact resistance	——	Report the average resiliency coefficient	0.84		——
21	Lead release	mg/L	Report the release	<0.5		——
		mg/dm^2		<0.02		
22	Cadmium release	mg/L	Report the release	<0.05		——
		mg/dm^2		<0.002		
23	Internal exposure index I_{Ra}	——	Decorative materials Type A: $I_{Ra}\leqslant1.0$	0.5		Type A
			Decorative materials Type B: $I_{Ra}\leqslant1.3$			
	External exposure index I_r	——	Decorative materials Type A: $I_r\leqslant1.3$	1.0		
			Decorative materials Type B: $I_r\leqslant1.9$			
			Decorative materials Type C: $I_r\leqslant2.8$			

(The end)

Declaration

1. Report without signature of inspector, verifier and approver and "specific seal for test report" is invalid.
2. Report is invalid in case it is altered, incomplete pages, without across-page seal, duplicate without "specific seal for test report". Report can not be partial copied without written approval.
3. Commission test report applies only for the samples received. Test results can not be improper propagated without written approval.
4. In case of any disagreement, applicant shall make a request in written form within 15 days on receiving the report; otherwise test result shall be accepted.
5. The test report is composed of cover, conclusion page, data page, declaration page.
6. Test report that issued by our lab can be verified by scanning the QR code. For any enquiry about full report content, please contact 0757-88735333, 88735222.

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