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# TEST REPORT

REPORT NO. : 25201800969

NAME OF SAMPLE: GLAZED CERAMIC MOSAIC

APPLICANT: FOSHAN GLOBAL BRIDGE  
BUILDING MATERIALS CO., LTD.

DATE OF TEST: 01/03/2018 – 07/03/2018 (dd/mm/yy)

STATE KEY TESTING LABORATORY OF BUILDING CERAMICS AND SANITARY WARE  
INSPECTION AND QUARANTINE COMPREHENSIVE TECHNOLOGY CENTRE OF  
FOSHAN ENTRY-EXIT INSPECTION & QUARANTINE BUREAU






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

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Name of sample	GLAZED CERAMIC MOSAIC	Nominal size (N)	30cm×30cm
Nature of the surface	Glazed (GL)	Work size ( $S_w$ )	300mm×300mm×6mm
Group	B I a	Description of Samples	The samples are sound, intact and fit for test.
Mark of samples	98TN101	Quantity of samples	30 Pieces
Applicant	FOSHAN GLOBAL BRIDGE BUILDING MATERIALS CO., LTD.	Address of applicant	NO.6 BUILDING,HUIZHAN 2ND RING ROAD,HUAXIA CERAMIC EXPOSITION CITY,NANZHUANG TOWN,CHANCHENG DISTRICT,FOSHAN CITY, GUANGDONG,CHINA.
Telephone of applicant	86-757-88023705	Fax of Applicant	86-757-85396111
Source of Samples	Samples selected by applicant	Received on	28/02/2018
Test Standard	ISO 13006:2012 <i>Ceramic tiles – Definitions, classification, characteristics and marking</i> Annex G Dry-pressed ceramic tiles with low water absorption $E_b \leq 0,5\%$ Group B I a		
Conclusion of Test	The results conform to the requirement of Annex G of standard ISO 13006:2012 with respect to the test items.		
Stamp of Test Unit	 <p>Date: 20/03/2018</p>	Address of Test Unit	Address: 2/F, Building 18, Lanshi International Metal Exchange Center, Kuiqi Road, Chancheng District, Foshan, Guangdong, China (528000) Tel: 86-757-83960558 86-757-83827991 Fax: 86-757-83827971 E-mail: fsiqtc@163.com Url: <a href="http://www.fsiqtc.com/">http://www.fsiqtc.com/</a>
Notes	1. 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. This report shall not be reproduced, except in full, without the prior written approval from the issuing laboratory. 3. The results in this report apply to the samples only.		

Tested by 杨鹏 Inspected by 沈志军 Approved by 肖景

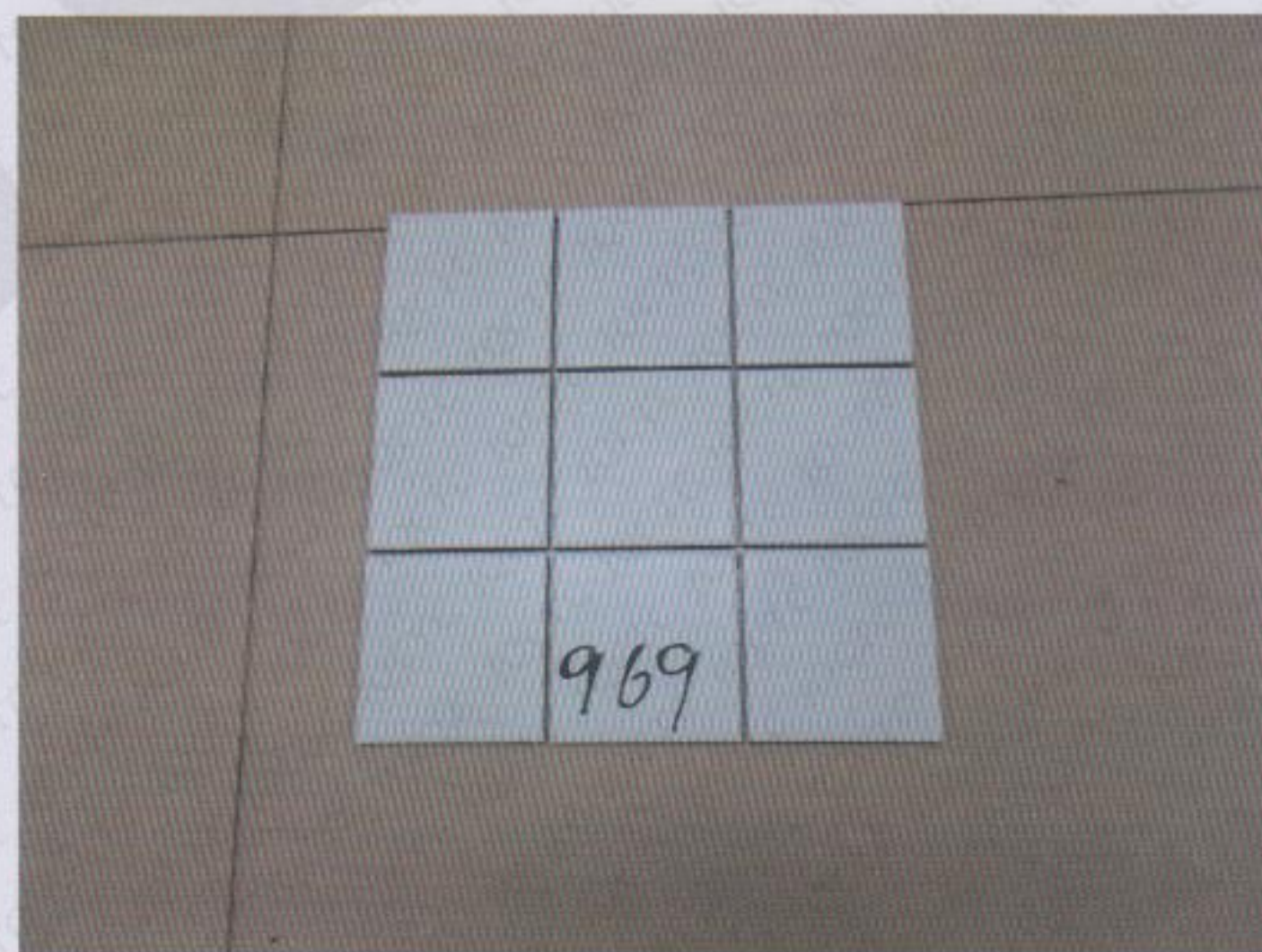


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Photo of Samples



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ISO 13006:2012 *Ceramic tiles – Definitions, classification, characteristics and marking*

Clause	Properties	Test Method	Requirements	Results	Verdicts
Annex G Table G1	<b>Physical property</b>				
	<b>Water absorption</b> Percent mass fraction	ISO 10545-3: 1995/Cor.1:1997	$E_b \leq 0.5\%$	0.15%	P
			Individual maximum 0.6%	0.06%~0.12%	P
	<b>Breaking strength, in N</b>	ISO 10545-4:2014	$\geq 700$	946	P
	<b>Modulus of rupture, in N/mm<sup>2</sup></b> Not applicable to tiles with breaking strength $\geq 3000N$	ISO 10545-4:2014	Minimum 35	57.2	P
			Individual minimum 32	50.5~62.6	P
	<b>Abrasion resistance</b> Resistance to surface abrasion of glazed tiles intended for use on floors	ISO 10545-7:1996	Report abrasion class	Class 4	—
			Report cycles passed	2100	—
	<b>Thermal shock resistance</b>	ISO 10545-9:2013	Test method available	Fully resistance	—
	<b>Crazing resistance: glazed tiles</b>	ISO 10545-11:1994	Required	Fully resistance	P
	<b>Frost resistance</b>	ISO 10545-12: 1995/Cor1:1997	Required	Fully resistance	P
	<b>Chemical property</b>				
	<b>Resistance to staining</b>				
	a) Green staining agent in light oil	ISO 10545-14:2015	Minimum Class 3	Class 5	P
	b) Red staining agent in light oil	ISO 10545-14:2015	Minimum Class 3	Class 5	P
	c) Iodine, 13g/L solution in alcohol	ISO 10545-14:2015	Minimum Class 3	Class 5	P
	d) Olive oil	ISO 10545-14:2015	Minimum Class 3	Class 5	P
	<b>Resistance to chemicals</b>				
	Resistance to household chemicals and swimming pool salts				
a) Household chemicals: Ammonium chloride, 100g/L	ISO 10545-13:2016	Minimum GB	A	P	
b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	ISO 10545-13:2016	Minimum GB	A	P	
Resistance to low concentrations of acids and alkalis					
a) Hydrochloric acid solution, 3% (v/v)	ISO 10545-13:2016	Manufacturer to state classification	LB	—	
b) Citric acid solution, 100g/L	ISO 10545-13:2016	Manufacturer to state classification	LA	—	
c) Potassium hydroxide, 30g/L	ISO 10545-13:2016	Manufacturer to state classification	LB	—	



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ISO 13006:2012 *Ceramic tiles – Definitions, classification, characteristics and marking*

Clause	Properties	Test Method	Requirements	Results	Verdicts
Annex G Table G1	Resistance to high concentrations of acids and alkalis				
	a) Hydrochloric acid solution, 18% (v/v)	ISO 10545-13:2016	Test method available	HB	—
	b) Lactic acid, 5 % (v/v)	ISO 10545-13:2016	Test method available	HB	—
	c) Potassium hydroxide, 100g/L	ISO 10545-13:2016	Test method available	HB	—
	<b>Lead and Cadmium release</b>				
	a) Lead release, in mg/dm <sup>2</sup>	ISO 10545-15:1995	Test method available	0.018	—
	b) Cadmium release, in mg/dm <sup>2</sup>	ISO 10545-15:1995	Test method available	<0.002	—

Possible test case verdicts

1. P(ass) : Test item does meet the requirement.
2. F(ail) : Test item does not meet the requirement.
3. —: Verdict was not carried out.
4. N/A : Test case does not apply to the test item.

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End of Test Report

