



中国认可
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检测
TESTING
CNAS L1978



TEST REPORT

REPORT NO.: 25201800967

NAME OF SAMPLE: ENAMEL GLASS 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
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Name of sample	ENAMEL GLASS MOSAIC	Nominal size (N)	27.2cm×26.8cm
Nature of the surface	Unglazed (UGL)	Work size (S _w)	272mm×268mm×6mm
Group	B I a	Description of Samples	The samples are sound, intact and fit for test.
Mark of samples	E02I321m	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	1.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 2. EN 15771:2010 <i>Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale</i> 3. GB/T 21114-2007 <i>Chemical analysis of refractory products by XRF—Fused cast bead method</i>		
Conclusion of Test	The test results see Page 4~5.		
Stamp of Test Unit	 <p>Date: 20/03/2018</p>	Address of Test Unit	Address: 2/F, Building 18, Lanshi International Metal Exchange Center, Kuiqiyi Road, Chancheng District, Foshan, Guangdong, China (528000) Tel: 86-757-83960558 86-757-83827991 Fax: 86-757-83827971 E-mail: fsiqtc@163.com Url: http://www.fsiqtc.com/
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

杨明华

Inspected by

李伟

Approved by

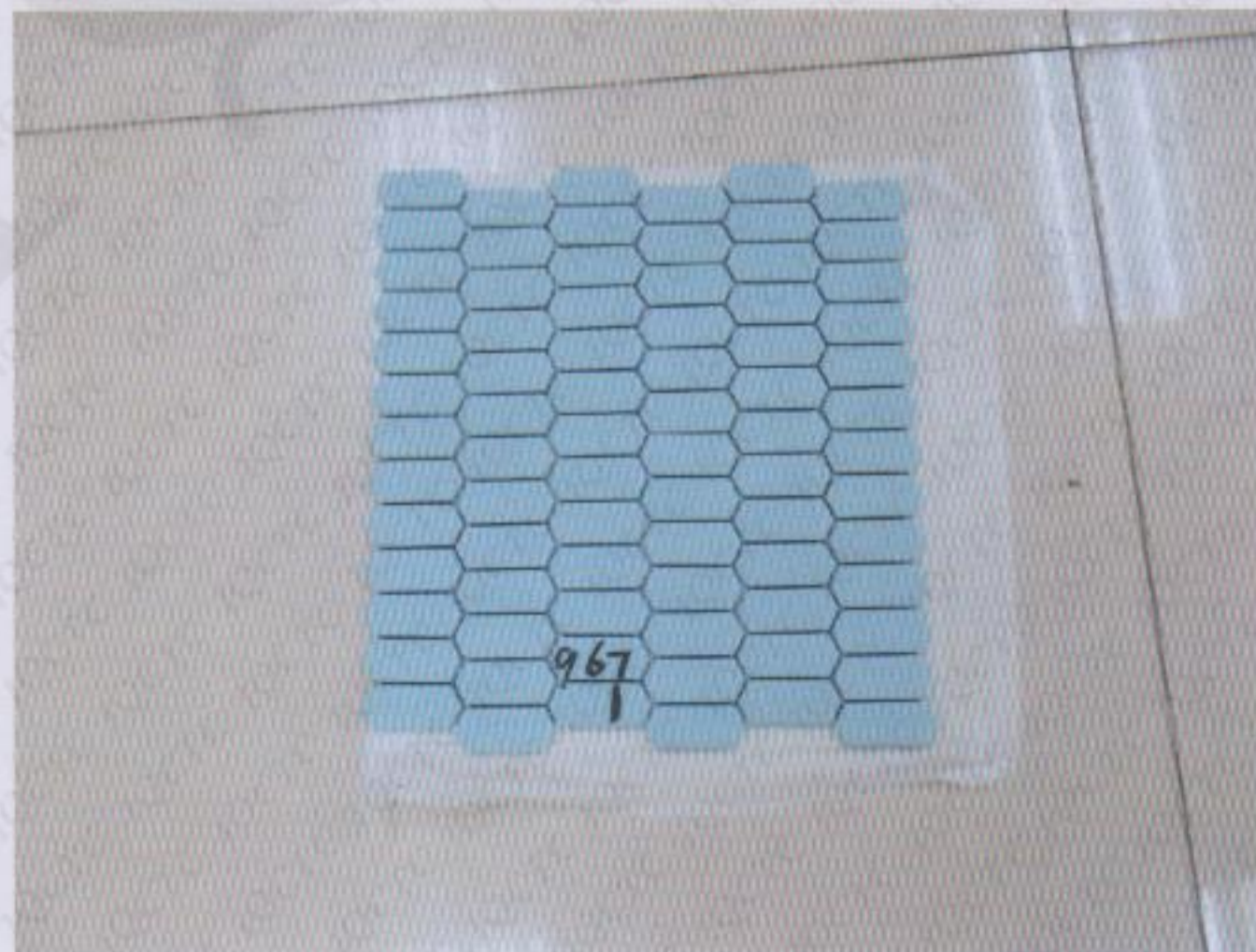
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Photo of Samples



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ISO 13006:2012 Ceramic tiles – Definitions, classification, characteristics and marking					
Clause	Properties	Test Method	Requirements	Results	Verdicts
Annex G Table G.1	Physical property				
	Water absorption Percent mass fraction	ISO 10545-3: 1995/Cor.1:1997	$E_b \leq 0.5\%$	0.05%	P
			Individual maximum 0.6%	0.02%~0.07%	P
	Breaking strength, in N	ISO 10545-4:2014	≥ 700	1014	P
	Modulus of rupture, in N/mm² Not applicable to tiles with breaking strength $\geq 3000\text{N}$	ISO 10545-4:2014	Minimum 35	41.0	P
			Individual minimum 32	37.4~43.7	P
	Thermal shock resistance	ISO 10545-9:2013	Test method available	Fully resistance	—
	Frost resistance	ISO 10545-12: 1995/Cor1:1997	Required	Fully resistance	P
	Chemical property				
	Resistance to staining				
	a) Green staining agent in light oil	ISO 10545-14:2015	Test method available	Class 5	—
	b) Red staining agent in light oil	ISO 10545-14:2015	Test method available	Class 5	—
	c) Iodine, 13g/L solution in alcohol	ISO 10545-14:2015	Test method available	Class 5	—
	d) Olive oil	ISO 10545-14:2015	Test method available	Class 5	—
	Resistance to chemicals				
	Resistance to household chemicals and swimming pool salts				
	a) Household chemicals: Ammonium chloride, 100g/L	ISO 10545-13:2016	Minimum UB	A	P
	b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	ISO 10545-13:2016	Minimum UB	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	LA	—
	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	LA	—	
Resistance to high concentrations of acids and alkalis					
a) Hydrochloric acid solution, 18% (v/v)	ISO 10545-13:2016	Test method available	HA	—	
b) Lactic acid, 5 % (v/v)	ISO 10545-13:2016	Test method available	HA	—	
c) Potassium hydroxide, 100g/L	ISO 10545-13:2016	Test method available	HA	—	

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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	Lead and Cadmium release				
	a) Lead release, in mg/dm ²	ISO 10545-15:1995	Test method available	<0.01	—
	b) Cadmium release, in mg/dm ²	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.

Properties	Method	Results
Scratch hardness of surface according to Mohs	EN 15771:2010	5
Chemical analysis	GB/T 21114-2007	SiO ₂ :73.38%
		Al ₂ O ₃ :1.08%
		Fe ₂ O ₃ :0.10%
		TiO ₂ :0.04%
		CaO:8.66%
		K ₂ O:0.18%
		SO ₂ :0.26%
		MgO:3.49%
		Na ₂ O:12.69%
		LOI:0.11%

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End of Test Report