

INSPECTION REPORT

No: 15081400

PRODUCT	Glazed Polished Porcelain Tiles (Full polish)
NOMINAL SIZE	600mm×600mm×10mm
TRADE MARK	ICC
CLIENT	Guangdong Xinfengjing Ceramics Co., Ltd.
INSPECTION TYPE	Sampling


National Quality Supervision Inspection Center
of Building and Sanitary Ceramics. CHINA



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Product	Glazed Polished Porcelain Tiles (Full polish)	Nominal Size	600mm×600mm×10mm
		Work Size	600mm×600mm×10mm
Client	Guangdong Xinfengjing Ceramics Co., Ltd.	Trade Mark	ICC
Manufacturer	Guangdong KITO Ceramics Co., Ltd.	Inspection Type	Sampling
Client Address	Chancheng District, Foshan City, Guangdong Province	Group	B I a
Manufacturer Address	Chancheng District, Foshan City, Guangdong Province	Product Date	2015.05
Sampling Position	Storehouse of Client	Sampler	Ma Zhuan E Li Wen Qing
Sampling Quantity	4 boxes (16 pieces)	Sampling Date	2015.05.27
Sampling Base	2000 boxes	Receival Date	2015.08.10
Inspection Standard	GB/T 4100-2006 GB/T 13891-2008 Refer to JC/T 872-2000	Inspection Item	See page 2&3
Inspection Date	2015.08.10~2015.08.20		
Sample Description	Glazed and even surface		
Inspection Conclusion	<p>According to standard of <i>GB/T 4100-2006 Dry-pressed ceramic tile</i> $E \leq 0.5\%$ Group <i>B Ia</i>, inspecting 20 properties of the product. The result testifies that the product reaches the requirements of the standard.</p> <p>According to standard of <i>GB/T 13891-2008 Test methods of specular gloss for decorative building materials</i>, inspecting glossiness property of the product, the result lists in page 3.</p> <p>Refer to Standard of <i>JC/T 872-2000 Glass-ceramics for building decoration</i>, inspecting the scratch hardness of surface according to mohs of 5.5.2. The result testifies that the mohs is 6 Class.</p>		
Notes			

Approver:

Auditor:

Compiler:

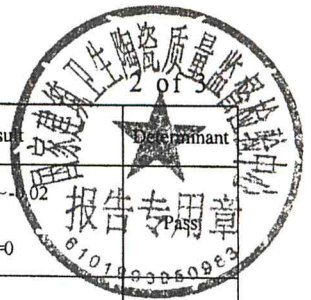
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No.	Properties		Requirements	Result	Determinant
1	Side (%)	The deviation of the average size for each tile (4 sides) from the work size.	± 0.5 $n=10,Ac=0,Re=2$	$-0.05 \sim -0.02$ $d=0$	Pass
		The deviation in percent of the average size for each tile (4sides) from the average size of the 10 test specimens (40 sides).	± 0.4 $n=10,Ac=0, Re=2$	$-0.01 \sim +0.01$ $d=0$	
2	Thickness (%)		± 5 $n=10,Ac=0,Re=2$	$-1.1 \sim +0.2$ $d=0$	Pass
3	Straightness of sides (%)		± 0.3 $n=10,Ac=0,Re=2$	$-0.01 \sim +0.01$ $d=0$	Pass
4	Rectangularity (%)		± 0.5 $n=10,Ac=0,Re=2$	$-0.06 \sim +0.07$ $d=0$	Pass
5	Center curvature (%)		± 0.4 $n=10,Ac=0,Re=2$	$+0.02 \sim +0.07$ $d=0$	Pass
6	Edge curvature (%)		± 0.4 $n=10,Ac=0,Re=2$	$0.00 \sim +0.05$ $d=0$	Pass
7	Warpage (%)		± 0.4 $n=10,Ac=0,Re=2$	$-0.01 \sim +0.11$ $d=0$	Pass
8	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 $n=10,Ac=0,Re=2$	No visible defects $d=0$	Pass
9	Water absorption (%)		Average: $E \leq 0.5$ Individual: $E \leq 0.6$ $n=5,Ac=0,Re=2$	Average: 0.01 Individual maximum: 0.02 $d=0$	Pass
Note					

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No.	Properties		Requirements	Result	Determinant
10	Breaking strength (N)		Thickness \geq 7.5mm, \geq 1300 Thickness $<$ 7.5mm, \geq 700 n=7,Ac=0,Re=2	Average: 2014 d=0	Pass
11	Modulus of rupture (MPa)		Average: \geq 35 Individual: \geq 32 n=7,Ac=0,Re=2	Average: 39 Individual minimum: 38 d=0	Pass
12	Abrasion resistance (Class)		Report abrasion class and cycles passed	3 Class (1500 cycles)	
13	Thermal shock resistance		No crack or crazing after test. n=5,Ac=0,Re=2	No crack and crazing d=0	Pass
14	Crazing resistance		No crazing on glazed surface after test. n=5,Ac=0,Re=2	No crazing d=0	Pass
15	Frost resistance		No crack or crazing after test. n=10,Ac=0,Re=1	No crack and crazing d=0	Pass
16	Coefficient of static friction		Report the result of test	Dry method: 0.68	
17	Moisture expansion (mm/m)		Report the result of test	0.05	
18	Impact resistance		Report average impact resistance after test	0.85	
19	Resistance to staining (Class)		Minimum Class 3 n=5,Ac=0,Re=2	5 d=0	Pass
20	Resistance to chemicals (Class)	Low concentration acids & alkalis	GLA, GLB, GLC	GLA	
		High concentration acids & alkalis	GHA, GHB, GHC	GHA	
		Household chemicals and swimming pool salts	Minimum GB n=5,Ac=0,Re=2	GA d=0	Pass
21	Glossiness		Report the result of test	93, 93, 93, 92, 92	
22	Scratch hardness of surface according to mohs		5~6 class	6 Class	
Note					

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