

# TEST REPORT

REPORT NO. : 25201401895

SAMPLES: GLAZED TILES

APPLICANT: FOSHAN EASTERN ROAD TRADING CO., LTD.

DATE OF TEST: 14/05/2014 – 21/05/2014(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



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**Labeling**

Brand Name : الماركة اسم :	BEROIA بيريوا
Manufacturer : المصنع :	FOSHAN EASTERN ROAD فوشان ايسترن روود
Model Number : رقم الموديل :	AA6033M
Country of Origin : بلد المنشأ :	MADE IN CHINA الصين في صنع
Quality Standard : التوعية القياسية :	1704/5
Group : المجموعة :	B <sub>1</sub>
Nominal Size : قياس الطبيعي :	600 × 600MM
Work Size : القياس العملي :	600 × 600 × 9.8MM
Intended for use of the tiles : البلاط استخدام :	FLOOR TILE بلاط ارضيات
Nature of Surface : البلاط نوع :	GLAZED
Number of tiles per package : البلاطات عدد الصندوق في :	4 PCS
Square meter per package : في مربع متر الصندوق :	1.44 M <sup>2</sup>
Designation and Type in Arabic : بلاط ارضيات :	FLOOR TILE بلاط ارضيات

**Photo of Samples**



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Iraqi Standard No. 1704/5/1997 <i>Ceramic floor and wall tiles – Specification for dust – pressed ceramic tiles with a low water absorption <math>E \leq 3\%</math> Group B<sub>1</sub></i>					
Clause	Properties	Test Method	Requirements	Results	Verdicts
1	<b>Dimensions and surface quality</b>				
1.1	<b>Length and Width</b>				
	The deviation, of the average size for each tile (2 or 4 sides) from the work size	Iraqi Standard No. 256/1	$\pm 0.6\%$	+0.02% ~ +0.04%	P
	The deviation of the average size for each tile (2 or 4 sides) from the average size of the 10 test specimens (20 or 40 sides)	Iraqi Standard No. 256/1	$\pm 0.5\%$	-0.02% ~ +0.01%	P
1.2	<b>Thickness</b> The deviation of the average thickness of each tile from the work size thickness	Iraqi Standard No. 256/1	$\pm 5\%$	-0.23% ~ +0.89%	P
1.3	<b>Straightness of sides</b> The maximum deviation from straightness related to the corresponding work sizes	Iraqi Standard No. 256/1	$\pm 0.5\%$	-0.02% ~ +0.01%	P
1.4	<b>Rectangularity</b> The maximum deviation from Rectangularity related to the corresponding work sizes	Iraqi Standard No. 256/1	$\pm 0.6\%$	-0.08% ~ +0.11%	P
1.5	<b>Surface flatness:</b> The maximum deviation from flatness				
	a) centre curvature, related to diagonal calculated from the work size;	Iraqi Standard No. 256/1	$\pm 0.5\%$	+0.09%	P
	b) edge curvature, related to the corresponding work sizes;	Iraqi Standard No. 256/1	$\pm 0.5\%$	+0.10% ~ +0.15%	P
	c) warpage, related to diagonal calculated from the work size.	Iraqi Standard No. 256/1	$\pm 0.5\%$	-0.18%	P
1.6	<b>Surface quality</b>	Iraqi Standard No. 256/1	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.	100%	P
2	<b>Physical properties</b>				
2.1	<b>Water absorption</b> Percent mass fraction	Iraqi Standard No. 256/8	Average $\leq 3.0\%$	2.0%	P
			Individual $\leq 3.3\%$	1.4% ~ 2.4%	P
2.2	<b>Modulus of rupture, in <math>N/mm^2</math></b>	Iraqi Standard No. 256/2	$\geq 27$	45.0	P
2.3	<b>Scratch hardness of surface</b> (Mohs scale)	Iraqi Standard No. 256/7	min. 5	8	P



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Iraqi Standard No. 1704/5/1997 <i>Ceramic floor and wall tiles – Specification for dust – pressed ceramic tiles with a low water absorption <math>E \leq 3\%</math> Group B<sub>1</sub></i>					
Clause	Properties	Test Method	Requirements	Results	Verdicts
2	<b>Physical properties</b>				
2.5	<b>Coefficient of linear thermal expansion:</b> from ambient temperature to 100°C	Iraqi Standard No. 256/9	max. $9 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$	$6.4 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$	P
2.6	<b>Thermal shock resistance</b>	Iraqi Standard No. 256/4	No defects or visible changes shall appear when examined with the naked eye or with the help of eyeglasses in case they are used	Fully resistance	P
2.7	<b>Crazing resistance:</b> glazed tiles	Iraqi Standard No. 256/5	No crazing	Fully resistance	P
3	<b>Chemical properties</b>				
3.1	<b>Resistance to staining:</b> glazed tiles	Iraqi Standard No. 256/6	min. 2	Class 1	P
3.2	<b>Resistance to household chemicals and swimming-pool water cleansers</b> (except to cleansing agents containing hydrofluoric acid and its compounds)	Iraqi Standard No. 256/6	min. B	Class A	P
5	<b>Labeling</b> Tiles or tile containers shall be clearly and indelibly labeled with the following:	Iraqi Standard No. 1704/5	Name and trademark, if any, of the manufacturer	FOSHAN EASTERN ROAD TRADING CO., LTD.	P
			Group	B <sub>1</sub>	P
			Nominal sizes	60cm × 60cm	P
			Work sizes	600mm × 600mm × 9.8mm	P
			Nature of the surface (glazed or unglazed)	GL	P
			Number of tiles per container and their equivalent in square meters	4 tiles 1.44m <sup>2</sup>	P
			Intended use	FLOOR TILE	P
			Country of origin	MADE IN CHINA	P

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**End of Test Report**