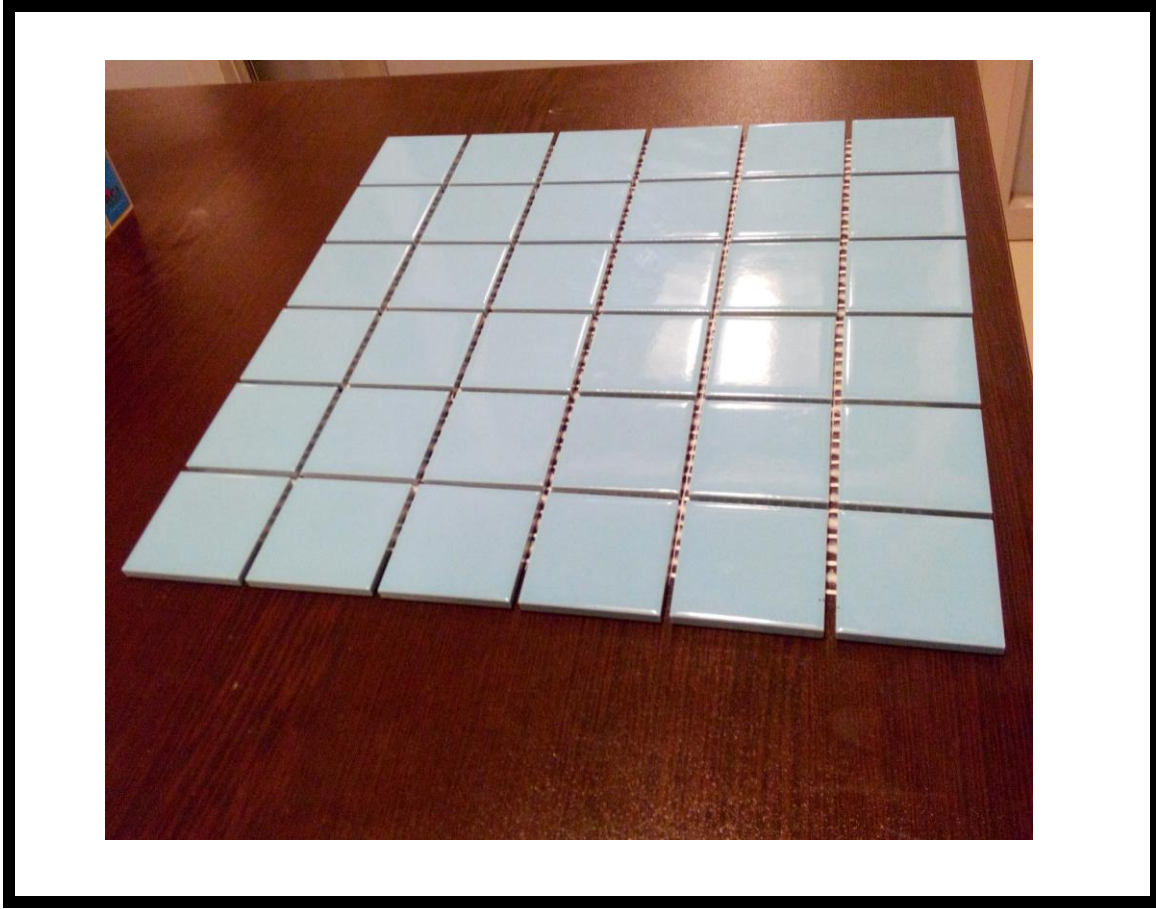


Test Report

REPORT NUMBER : (7214)234-0193

PRODUCT LABEL: MOSAIX PORCELEN MOSAIC TILE
Product Containing: /

-Photo of the Tested Sample-



Product Description:

MOSAIX PORCELEN MOSAIC TILE

C/N SH/AC

Page 1 / 8

(TR)



**BUREAU
VERITAS**

Test Report

Report Number: (7214)234-0193

Service Type : Regular

Issue Date: August 22th, 2014

Submitted by : BUREAU VERITAS GOZETIM HIZMETLERI LTD.STI
[BETSAN CAM SERAMIK SANAYI VE LTD STI.]
(Attention: SUPHI GUZELOGLU)

Reference : /

Customer : BETSAN CAM SERAMIK SANAYI VE LTD STI.

Manufacturer : BETSAN CAM SERAMIK SANAYI VE LTD STI.

Sample Description : MOSAIX PORCELEN MOSAIC TILE

Brand of Sample : MOSAIX

BV Seal No : BV AGF 061906

RFC No : /

Test Results

Test property	Pass	Fail	
Size and Surface Quality	-	-	
1 Sample	X	-	
10 Samples	X	-	
Thickness	-	-	
Thickness Deviation	X	-	
Edges and Smoothness	-	-	
Flatness Deviation	X	-	
Rectangularity Deviation	-	-	
Corresponding Miter Deviation	X	-	
Surface Smoothness	-	-	
Center Curvature	X	-	
Edge Curvature	X	-	
Skewness	X	-	
Surface Quality	X	-	
Physical Characteristics	-	-	
Water Absorption	X	-	
Breaking Strength	-	-	
Breaking Strength	X	-	
Flexural Strength	X	-	
Abrasion Resistance	-	-	
Abrasion Resistance of Glazed Tiles	X	-	



BUREAU
VERITAS

Test Report

Report Number: (7214)234-0193

Service Type : Regular

Issue Date: August 22th, 2014

Test Results

Test property	Pass	Fail	
Linear Thermal Expansion Coefficient	-	-	
From Room Temperature to 100 °C	X	-	
Thermal Shock	X	-	
Cracking Resistance	X	-	
Frost Resistance	X	-	
Friction Coefficient	-	-	
Mouisture Expansion	X	-	
Color Differences	X	-	
Impact Resistance	X	-	
Chemical Properties	-	-	
Stain Resistance	X	-	
Chemical Substances Resistance	-	-	
Resistance to Dilute Acids and Bases	-	-	N/A
Resistance to Concentrated Acids and Bases	X	-	
Resistance to Home Chemicals and Swimming Pool Salts	X	-	

EXECUTIVE SUMMARY: As per client's request, submitted samples tested according to TS EN 14411 Standard and conform the requirements of standard.

REMARK 2: All tests were subcontracted to an accredited laboratory. [Report no: E-654 dated August 22th, 2014]

Bureau Veritas Consumer Products Services Turkey
BV CPS Test Lab. Ltd. Sti.

Ayca Cevikus
Client Manager-Hardline

Abdullah Akil
Hardline Laboratory Supervisor

C/N SH/AC

Page 3 / 5

(TR)

BV CPS TEST LABORATUVARLARI LTD. STI.
BUREAU VERITAS CONSUMER PRODUCTS SERVICES
Mahmutbey Mahallesi, Hacı Bostan Caddesi, No: 4
K:4 34218 Bağcılar, İstanbul / Turkey
Tel:+90.212.494 35 35 Fax:+90.212.494 35 60
email:info.turkey@bvcp.com.tr
website: www.bureauveritas.com/cps

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at www.bureauveritas.com/cps and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from the date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Tested Item	Test Results	Requirements	Conclusion
SIZE AND SURFACE QUALITY			
<u>LENGTH AND WIDTH WORK DEVIATION FROM THE AVERAGE DIMENSION, EACH TILE (2 OR 4 SIDES)</u>			
	0.42 %	$S > 410\text{cm}^2 \pm 0.6 \%$	CONFORM
<u>LENGTH AND WIDTH WORK DEVIATION FROM THE AVERAGE DIMENSION OF 10 SAMPLES, EACH TILE (2 OR 4 SIDES, TOTALLY 20 OR 40 SIDES) %g</u>			
	0.02 %	$\pm 0.5\%$	CONFORM
THICKNESS			
<u>THICKNESS DEVIATION FROM EACH TILE'S WORK SIZE</u>			
	2 %	$\pm 5 \%$	CONFORM
EDGES AND SMOTHNESS			
<u>MAXIMUM FLATNESS DEVIATION FROM CORRESPONDING SIZE</u>			
	0.27 %	$\pm 0.5 \%$	CONFORM



Tested Item	Test Results	Requirements	Conclusion
RECTANGULARITY DEVIATION			
<u>MAXIMUM RECTANGULARITY DEVIATION FROM CORRESPONDING SIZE</u>			
	0.34 %	± % 0.6	CONFORM
SURFACE SMOOTHNESS			
<u>CENTER CURVATURE OF THE DIAGONAL CALCULATED FROM SIZE</u>			
	0.13 %	± 0.5 %	CONFORM
<u>EDGE CURVATURE OF THE DIAGONAL CALCULATED FROM SIZE</u>			
	0.21 %	± 0.5 %	CONFORM
<u>SKEWNESS OF THE DIAGONAL CALCULATED FROM SIZE</u>			
	0.27 %	± 0.5 %	CONFORM
<u>SURFACE QUALITY</u>			
	No defects.	Basis on at least 95% of the surface of the tiles, the view should not be visible defects will disrupt	CONFORM

Tested Item	Test Results	Requirements	Conclusion
PHYSICAL CHARACTERISTICS			
<u>WATER ABSORPTION</u>			
m/m	Average 0.3 %	≤ 0.5 % Max 0.6 % for each tile	CONFORM
BREAKING STRENGTH			
<u>BREAKING STRENGTH</u>			
	830 N	a) thickness ≥ 7.5 mm Min 1300 b) thickness < 7,5 mm Min 700	CONFORM
<u>FLEXURAL STRENGTH</u>			
	41 N/mm ²	Average at least 35 Each tile at least 32 Not required for tiles which has breaking strength > 3000 N	CONFORM
ABRASION RESISTANCE			
<u>ABRASION RESISTANCE OF GLAZED TILES FOR GROUND SURFACE</u>			
	Class 1-2-3-4-5	Abrasion class and should be specified as number of cycle.	CONFORM
LINEAR THERMAL EXPANSION COEFFICIENT			
<u>FROM ROOM TEMPERATURE TO 100 °C</u>			
	2.3x10 ⁻⁶ K	Max 9x10 ⁻⁶	CONFORM

Tested Item	Test Results	Requirements	Conclusion
<u>THERMAL SHOCK</u>			
	Conform	This test may be exposed to heat shock regionally on ceramic tiles apply.	CONFORM
<u>CRACKING RESISTANCE</u>			
	Conform	Required	CONFORM
<u>FROST RESISTANCE</u>			
	Conform	Required	CONFORM
FRICITION COEFFICIENT			
<u>MOISTURE EXPANSION</u>			
(mm/m)	0 %	0.006 % (0.6 mm/m)	CONFORM
<u>COLOR DIFFERENCES</u>			
	Conform		CONFORM
<u>IMPACT RESISTANCE</u>			
	Conform		CONFORM



Tested Item	Test Results	Requirements	Conclusion
CHEMICAL PROPERTIES			
<u>STAIN RESISTANCE OF GLAZED TILES</u>			
	Class 3	Shall be at least Class 3	CONFORM
CHEMICAL SUBSTANCES RESISTANCE			
<u>RESISTANCE TO DILUTE ACIDS AND BASIS</u>			
		Classes shall be declared by manufacturer.	N/A
<u>RESISTANCE TO CONCENTRATED ACIDS AND BASIS</u>			
	Conform		CONFORM
<u>RESISTANCE TO HOME CHEMICALS AND SWIMMING POOLS SALT</u>			
	GA	Shall be at least GB	CONFORM

** INDICATES BELOW REQUIREMENT

-END OF REPORT-