CERAMICA DAUGRES ITALIA S.R.L.

FIORANO MODENESE (MO)VIA PEDEMONTANA 100 CAP 41042，ITALY

DAUGRES(CHINA)

BLOCK 7, NO.88 ZHONGSHAN 6TH ROAD, TORCH DEVELOPMENT ZONE BIG DATA CENTER, ZHONGSHAN, GUANGDONG,P.R.CHINA.

COMPANY **PROFILE**

DAUGRES



CONTENTS

1 ABOUT DAUGRES

1.1 HISTORY 01

1.2 INTRODUCTION 05

1.3 INTERNATIONAL TEAM 09

2 PRODUCT SYSTEM

2.1 OVERVIEW 11

2.2 DAUGRES TILE 13

2.3 DAUGRES SLAB 15

2.4 DAUGRES THICKTILE 17

3 JOB REFERENCE

3.1 CASE SHARING 19

3.2 PROJECT SUMMARY 29

4 TEST REPORT

4.1 DAUGRES TILE 31

4.2 DAUGRES SLAB 33

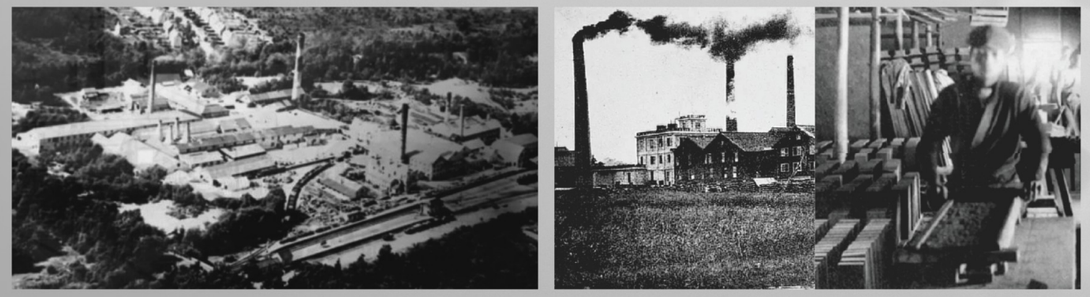
4.3 DAUGRES THICKTILE 35

1950s to 1960s



In 1950s and 1960s, there were many small handicraft factories and workshops in Italy market, raw materials for light industries and plenty of primary products. Italy had huge advantages in marble R&D and production, as well as in stone mining.

1970s



In 1970s, Italy government promoted vigorously the development of small businesses. In this context, several ceramic enterprises came into historical stage.

1980s to 1990s



In the late 80s,Italy ranked in the leading place among Europe countries with its blooming economy, especially in export business. Many young designers and professional salesmen were active at ceramic marketing activities in Modena. Aimed at providing total solutions for customers, a group of young designers, with advanced and unique concepts, decided to set up Qubo Consultant.

DAUGRES



In 1999

Qubo Consultant decided to expand the business. They successfully built an experienced team specializing in ceramic R&D, design, production and marketing. CERAMICA DAUGRES ITALIA S.R.L. formed and expanded its business scope.



In 2001

With the development of economic globalization and trade liberalism, some ceramic brands, led by Italian ones, started to step towards the world. In 2001, Daugres brand entered China market.

DAUGRES

In 2017

In 2017, Daugres(China) was established to take over the full operation of Daugres brand, which marked its further development in China market.

DAUGRES EVENTS FROM 2001











2024
The release of Floortech ceramic technology

2023
The release of Real-Tech product system

To Be Continued

2025
The release of Floortech 2.0 technology

2021
The release of 800X1800mm digital glaze collection

2022
"M-PLUS", a brand new business model was launched out

2019
International Sales Center was established in Foshan

2020
New Headquarter was established in Zhongshan

2015
The "Discover Italy" project got launched

2013
Porcelain tiles of size 800X1800mm came out

2018
Zhuhai 5678 New Display Center was established

2017
Daugres slab came out

2004
The first Daugres Distributor Meeting was held in Zhongshan

2008
Under glazed porcelain products created a new fashion in ceramic industry

2003
Introduced glazed porcelain tiles into China

2001 (2002)
Entered China Market

DAUGRES

INTRODUCTION

Daugres(China), is a home furnishing company specializing in ceramic tiles, slabs, bath, furniture, and home service.

The originator of “Italian Design & Made in China”

Daugres Ceramiche S. r. l., located in Modena Italy. In 2001, Daugres Ceramiche Co. Ltd was founded in Zhongshan city of Guangdong province. There are three main production bases which have been set up in Qingyuan, Fujian and Heyuan respectively.

Mature Business Network

Now Daugres owns a comprehensive and strong sales network, with around 200 distributors, more than 300 sales points in China and over 80 international customers. Providing complete marketing network and service system for over 60 countries and areas, Daugres takes great advantages in multi-channel development.

Our Culture & Philosophy

Design Art Unique Green Responsibility Excellence Service

“Classic but Trendy, Natural and Leisure” that is what we called Daugres lifestyle, which earned widely praise from both architects and designers for years.

Insisting Environmental Protection

Daugres already obtained 3C Certificate, CCLQ Certificate, CE Certificate, ISO9001 Certificate and ISO14001 Certificate, its products conform to ISO Standard, European Standard,Chinese Standard and North American Standard.

ONE WORLD ONE TUNE

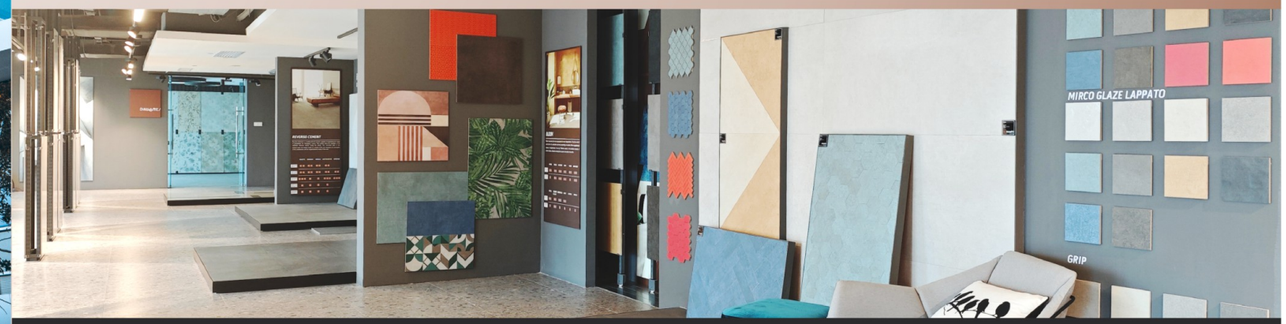




Ceramica Daugres S.R.L.



Daugres (China) Headquarter



Daugres International Sales Center

INTRODUCTION







DAUGRES(CHINA) HEADQUATER

Located at No.88 Zhongshan 6th road, Zhongshan city, Daugres headquarter building, with size of 10,272sqm, is a complex building including office, showroom and lounge, etc. It is devoted to present the complete beauty of ceramic tiles, slabs, art bath and furniture.









DAUGRES INTERNATIONAL SALES CENTER

ARTASCOPE is the theme of Daugres International Sales Center. With four different sectors including office areas, retail and wholesale display district, projects center and OEM VIP room, this brilliant display center perfectly present the Italian design and high quality life style in the 2000sqm space.







GENERAL MANAGER

Moreno Quartieri, born in Sassuolo in 1959. Graduated in Accounting and studied Chemistry at the University of Modena; Master in Sales Network Management and Project Management. Born and lived in the most famous ceramic manufacturing district in the world, from the beginning of his career he has been involved in research,development and marketing in the ceramic world. He was the Commercial Director in important Italian ceramics and had a long experience as General Manager in an very famous multinational company, before joining the Daugres project, becoming the President of Ceramica Daugres S.r.l.from 2013.

MORENO QUARTIERI



ART DIRECTOR

Design Director of Ceramica Daugres S.r.l., Born in 1973, Stefano Lodesani discovered his passion for architecture and design in Politecnico of Milano. After completing his master's degree in architecture, Stefano Lodesani moved to San Francisco, California to attend programs at the CCAC (California College of Art and Craft) and the University of Berkeley where he laid the foundation for his future craft. His interests embarked him into different working disciplines and experiences, allowing him to collaborate with international architecture offices.

STEFANO LODESANI



PRODUCT DESIGN DIRECTOR

Born in Sassuolo, the core of Ceramic Tile district, he graduates in Firenze Design Campus University. He starts his business activity in 1994 joining the studio of famous international Architect Guido Giacomo Bondielli. The background of his territory and the experience in several projects gave him the inspiration to start new activity of tile designer joining his experience with the need of fresh and contemporary design by Daugres. The highest care for details, the modern but at the same time warm and comfortable style, the passion that he put in his work is reflected in the beauty of the collections that he has developed for Daugres.

STEFANO BOZZARELLI



OVERVIEW

DAUGRES



ALL SURFACES

NAT	LEV	SILK	GP	SOF	SOFT	SAT	CRY	MGN	MGL
NATURALE	LEVIGATO	SILK	GRIP	SOFT LAPPATO	SOFT	SATIN LAPPATO	CRYSTAL LAPPATO	MICRO GLAZE NATURALE	MICRO GLAZE LAPPATO

TILE + SLAB

With all styles, all sizes and all thicknesses in its product range, Daugres Ceramic Tiles, the high-end line under Daugres, meets diverse requirements of customers. It is an ideal option as a luxury brand in the market.

2003

Daugres introduced glazed porcelain tiles into China, setting off a wave of development in Chinese ceramic industry.

2008

Appia Antica applying levigato technology came out and became a new fashion in ceramic industry.

2011

Daugres applied the most advanced HD INK-JET technology in its production, starting a new era for ceramic industry.

2013

800*1800MM products came out as the largest size levigato product in the world at the time.

2017

Daugres big size program was introduced into China.

2021

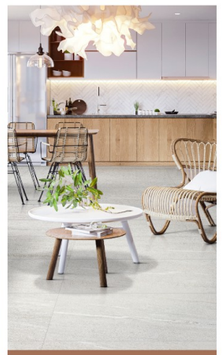
The release of 800X1800mm digital glaze collection

2023

The release of Real-Tech product system



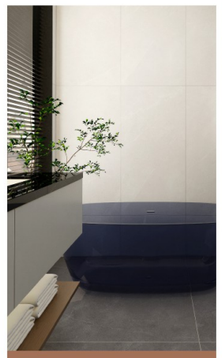

FINESTONE

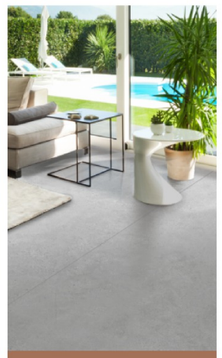

SANDSTONE2.0


LIMESTONE


NOVASTONE


CLOUDSTONE

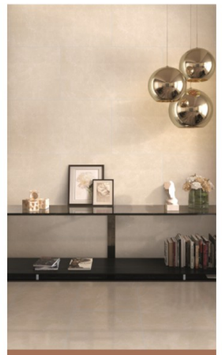

ANDES

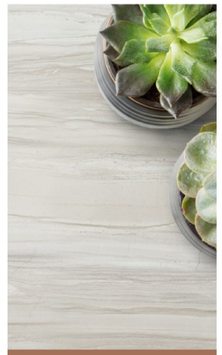

CONCRETE ROCK


REVERSO CEMENT

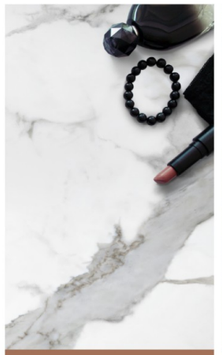

BLOOM


TIMELESS


SUNSTONE

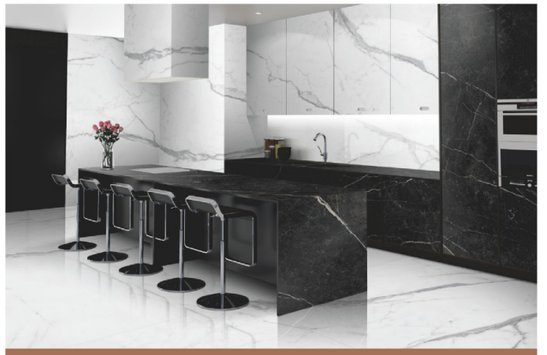

MARMI


MARMI PLUS

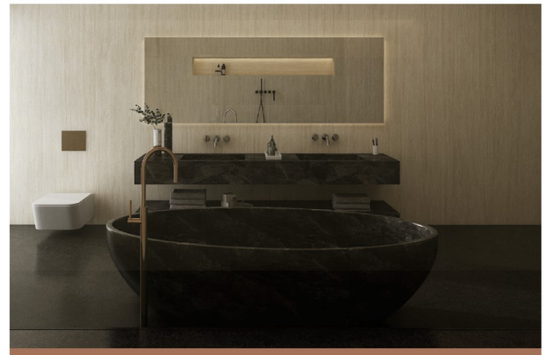

MARMI CLASSICO


BORI





IMPERIAL MARBLE



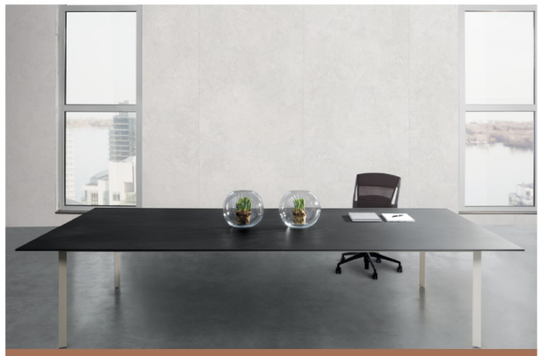
TRAVERTINO VEIN



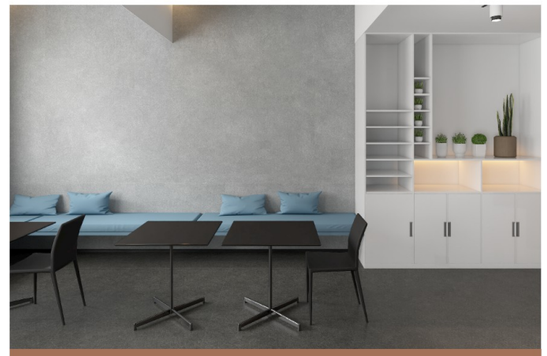
LIMESTONE 2.0



RIMESTONE



CONCRETE ROCK

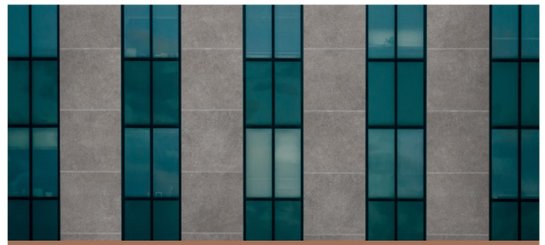


REVERSO CEMENT

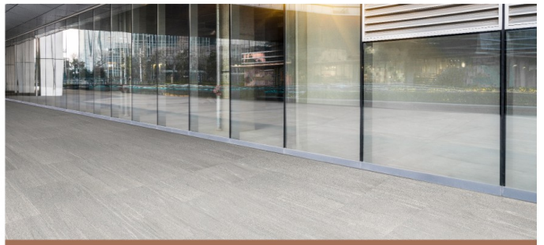




CONCRETE ROCK



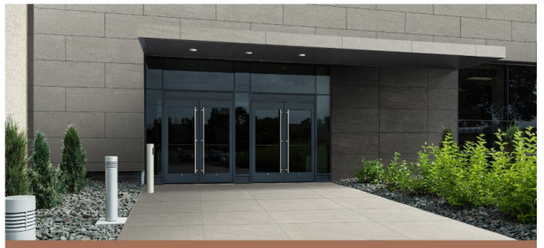
REVERSO CEMENT



SANDSTONE 2.0



FINESTONE



NOVASTONE



TIMELESS



QUARZITE



GRANITE

DAVOSRES



1. HONG KONG-ZHUHAI-MACAO BRIDGE ARTIFICIAL ISLAND
2. ROSEWOOD HOTEL
3. HYUNDAI DEPARTMENT STORE
4. EBAY OFFICE
5. STARBUCK RESERVE in SEOUL
6. TOKYO SUBWAY - NIHOMBASHI STATION
7. ONE BERNAM
8. ONE PEARL BANK
9. MAPLE HOTEL & APARTMENT
10. DENDRO GOLD HOTEL
11. BOTON BLUE HOTEL & SPA
12. VIILA 42 PHNOM PENH
13. PRIVATE VIILA in MELBOURNE
14. MIXED-USED DEVELOPMENT PROJECT
15. BMW MARKETING CENTER

DALORES



PROJECT: HONG KONG-ZHUHAI-MACAO BRIDGE ARTIFICIAL ISLAND

CONTRY: CHINA **APPLIED PRODUCT:** CEMENTI LIGHT GREY, LIFESTONE GRIGIO, CONCRETE BEIGE



PROJECT: ROSEWOOD HOTEL

CONTRY: CHINA **APPLIED PRODUCT:** LIMESTONE AVORIO



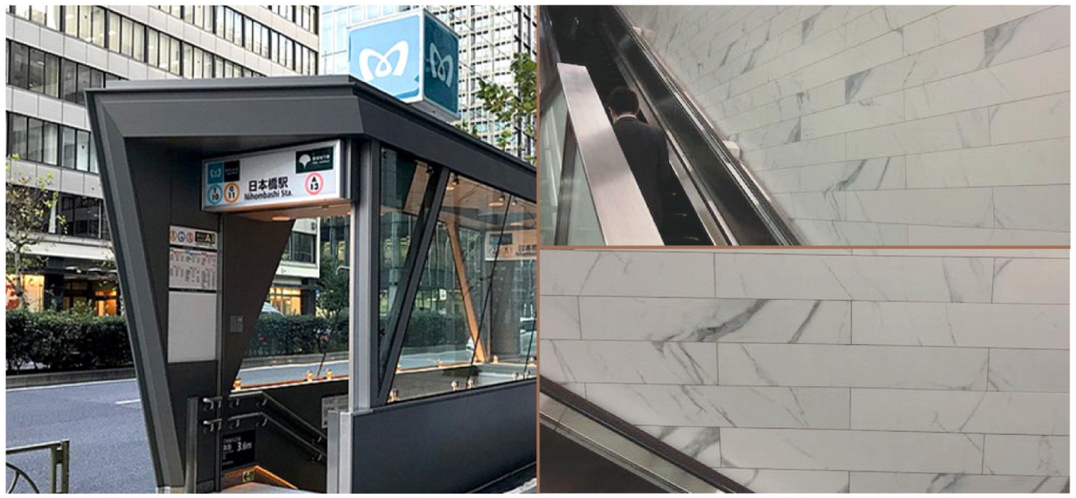
PROJECT: EBAY OFFICE

CONTRY: KOREA **APPLIED PRODUCT:** FINESTONE PLUMBS & DARK GREY



PROJECT: STARBUCK RESERVE in SEOUL

CONTRY: KOREA **APPLIED PRODUCT:** FINESTONE DARK GREY



PROJECT: TOKYO SUBWAY - NIHOMBASHI STATION

CONTRY: JAPAN **APPLIED PRODUCT:** MARMI PLUS STATUARIO



PROJECT: EMSPHERE COMERCIAL SQUARE

CONTRY: THAILAND **APPLIED PRODUCT:** NOVASTONE GREY & DARK GREY, CONCRETE ROCK WHITE, FRENCH WALNUT SERIES



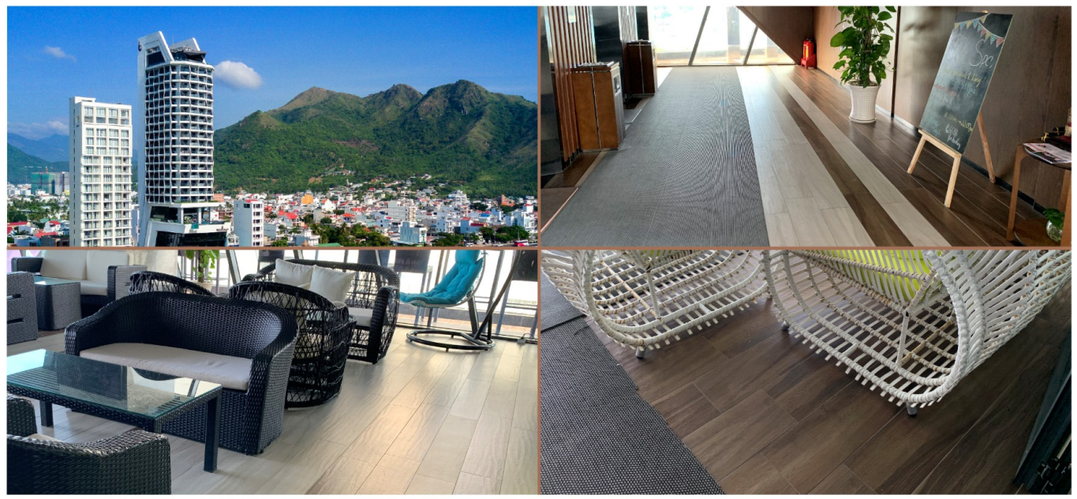
PROJECT: ONE BERNAM

CONTRY: SINGAPORE **APPLIED PRODUCT:** MARMI CLASSICO CARRARA



PROJECT: ONE PEARL BANK

CONTRY: SINGAPORE **APPLIED PRODUCT:** FINESTONE GREY



PROJECT: BOTON BLUE HOTEL & SPA

COUNTRY: VIETNAM **APPLIED PRODUCT:** NATIONAL WOOD GREY & MARRON



PROJECT: BEAN VEGEATRIAN BISTRO CHAIN RESTAURANT

COUNTRY: VIETNAM **APPLIED PRODUCT:** BASALTINA CONCEPT SERIES



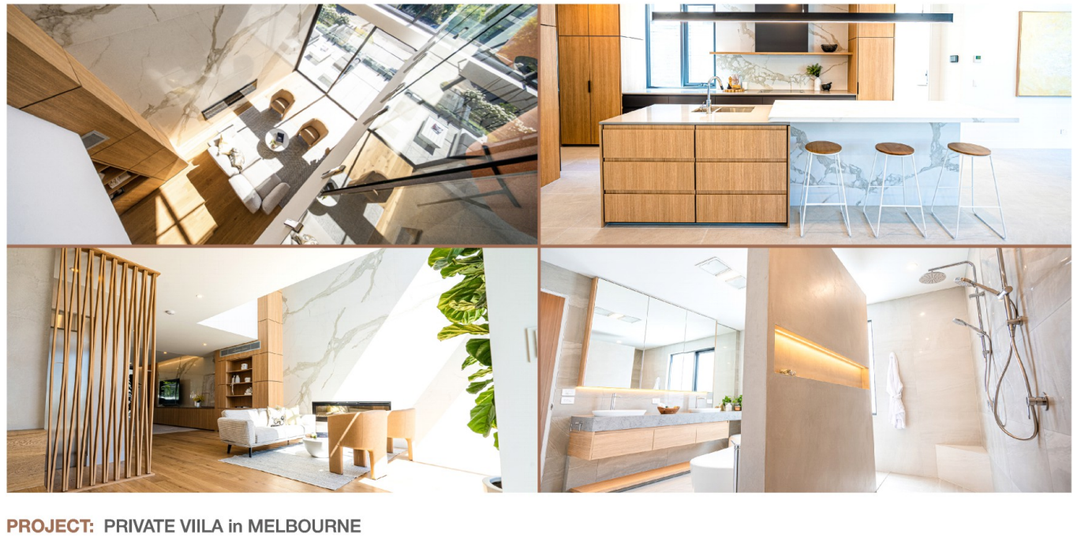
PROJECT: CHECK INN HOTEL

COUNTRY: CAMBODIA **APPLIED PRODUCT:** CONCRETE ROCK SERIES & FINESTONE SERIES



PROJECT: VILLA 42 PHNOM PENH

COUNTRY: CAMBODIA **APPLIED PRODUCT:** LEGEND MARBLE AIR BIANCO, QUARZITE RESIA & ANTRACITE



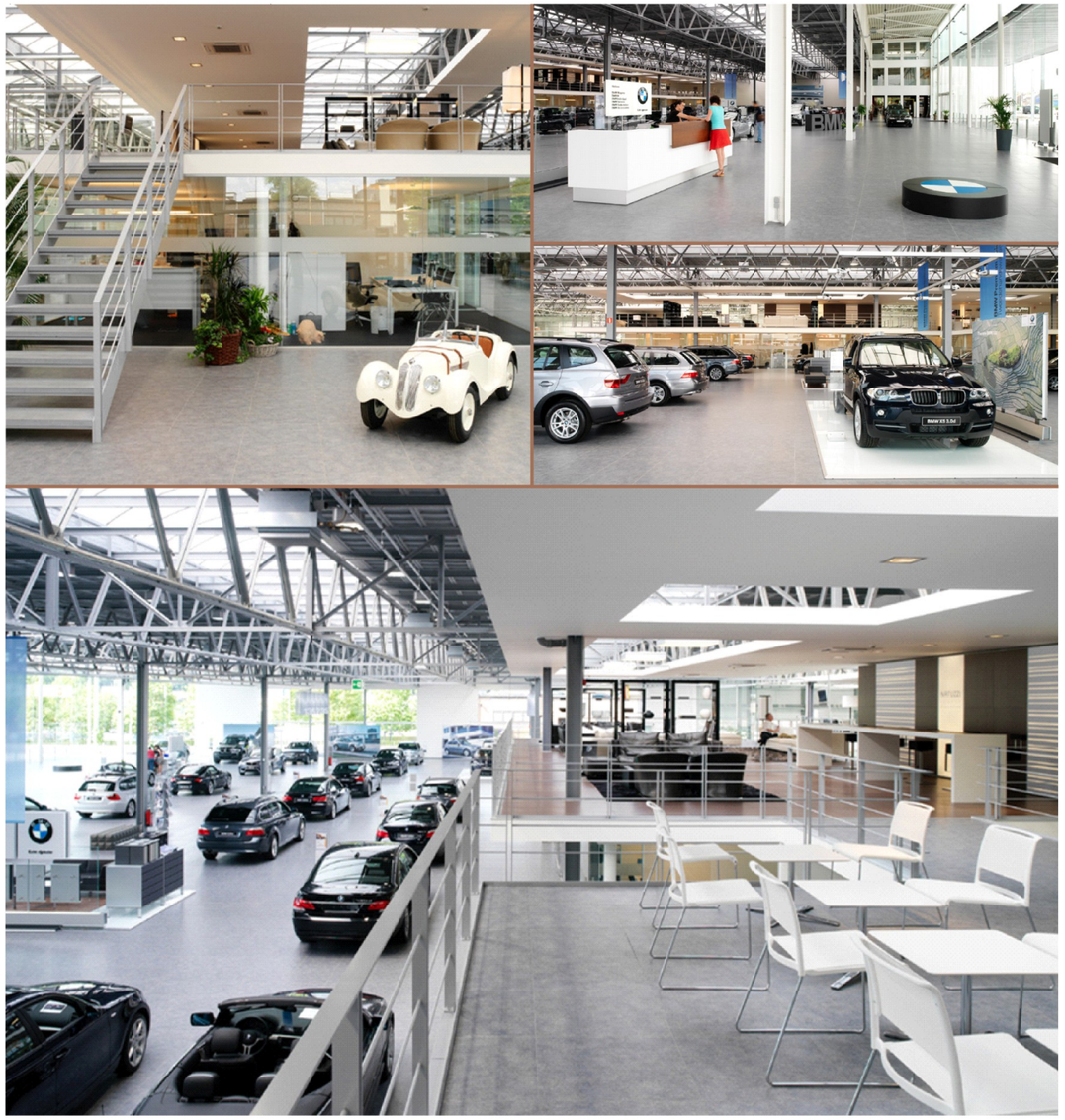
PROJECT: PRIVATE VIILA in MELBOURNE

COUNTRY: AUSTRALIA **APPLIED PRODUCT:** EXTRA WHITE, LIMESTONE AVORIO



PROJECT: MIXED-USED DEVELOPMENT PROJECT

COUNTRY: EGYPT **APPLIED PRODUCT:** SANDSTONE GREY & NERO



PROJECT: BMW MARKETING CENTER

COUNTRY: BELGIUM **APPLIED PRODUCT:** ANCIENT STONE GRIGIO

JOB REFERENCE

PROJECT SUMMARY

DALORES

AUSTRALIA
The Adelaide
Westwater Stage 1
Expo Fixing
Hyundai Cai Showroom
Hurstville Adpartment
Artise

NEW ZEALAND
Outrigger Terraces

SOUTH AFRICA
Atlantic Views residential project
Victoria & Alfred Hotel
Waterstone Isles
MTB store

UNITED KINGDOM
Raglan Hall Hotel
Covent Garden

HUNGARY
Prestige Towers

KOREA
Pohang
Centum City
Lotte World
CJ
Daewoo

BELGIUM
BMW showroom
Breva
Piere & Vacances-Sun Parks-1 phrase
Lautres Bredene
Dusit resort
NISSAN showroom
BMW showroom

NETHERLANDS
Holland Car Museum
TOYOTA showroom

VIETNAM
AADECO Furniture-interior
COOMINH Fashion house
CHARLES & KEITH
Metropole Hotel
Moonlight Hotel
The Amiana
Asian Ruby Hotel
The Chelsea Park
Sky Tower

JAMAICA
Ebony Glades Project

SINGAPORE
Woodlands Swimming Complex
National University of Singapore
F1 project
MCL Project-Balmeg
BOSCH Regional HQ Project
Sentosa Project
Orange Grove
The Shore Residences
Adria Condominium
Centro Condominium

MEXICO
Mexico Nike chain store
Marriot Hotel

USA
Holiday Inn Express, TN
Holiday Inn Express, KY
Days Inn, MD
Crowne Plaza, GA
Holiday Inn, GA
Marriott, MA
Riverwalk Base Building, NY

THAILAND
Bangkok City Center
Le Raffine Hotel
E.G.V Cinema
Dusit Resort Italian Restaurant

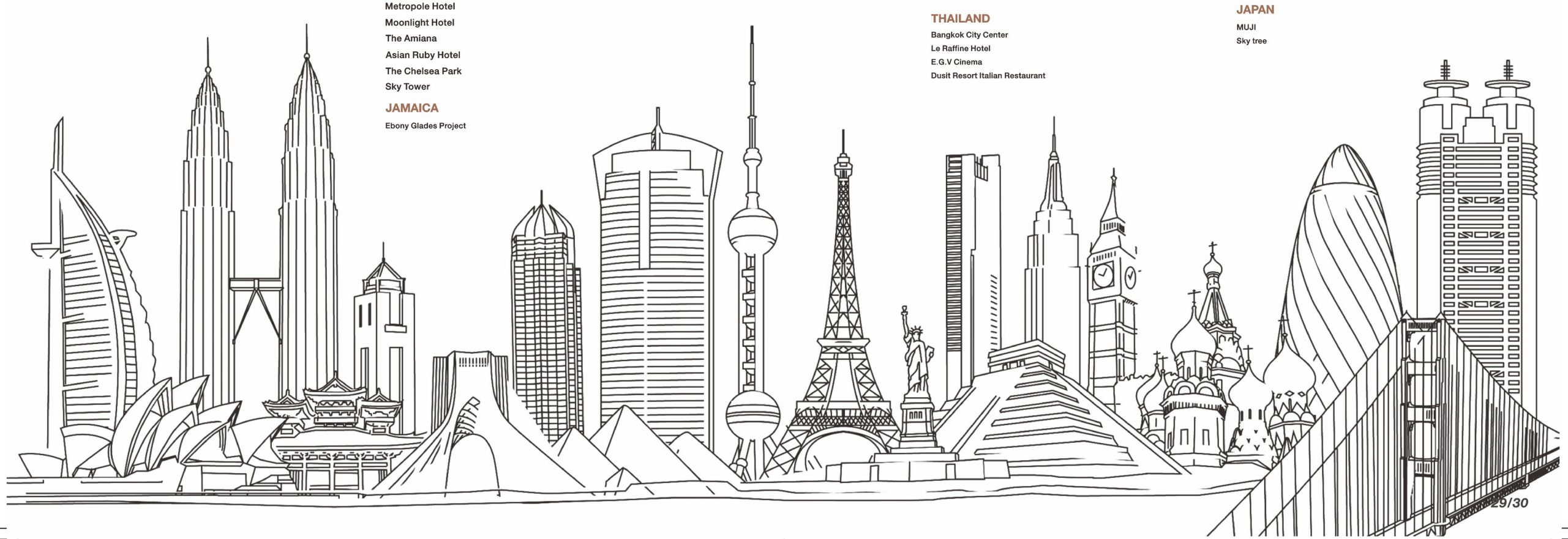
HONG KONG
LAKE SILVER
HONG KONG DESIGN INSTITUTE(LEE WAI LEE)
Hutchison Whampoa
The Peninsula Hong Kong
Hong Kong Airport Retail Shop
New World Hotel
Carmel school & Kellet school
Harrow International School
LingNan University
HK Parkview & Redhill Peninsula
ST. Paul Co-Educational College

MACAU
Golden Bay Garden
Hotel Ritz

BAHREIN
Dream Tower
Twins Tower

SERBIA
"Exclusive" & "Prestige" Hotel

JAPAN
MUJI
Sky tree



DAUGRES TILE

DAUGRES

TECHNICAL CHARACTERISTICS		TEST METHOD	REQUIRED VALUE	DAUGRES VALUE[Average]
Length and Width	DIMENSIONS	GB/T 3810.2 ISO 10545.2	± 0.6%	± 0.2%
Thickness	DIMENSIONS		± 5%	± 3%
Straightness of sides	DIMENSIONS		± 0.5%	± 0.2%
Rectangularity	DIMENSIONS		± 0.5%	± 0.2%
Surface flatness	DIMENSIONS		±2.0MM Maximum	±0.5MM
Water Absorption		GB/T 3810.3 ISO 10545.3	Average maximum ≤0.5%	≤0.3%
Breaking Strength		GB/T 3810.4 ISO 10545.4	When the thickness ≥7.5mm, the mean value shall not be less than 1300N	Conformed
Modulus of Rupture		GB/T 3810.4 ISO 10545.4	Average maximum ≥35MPa	≥38MPa
Stain Resistance		GB/T 3810.14 ISO 10545.14	Minimum Class 3	Class 5
Chemicals Resistance		GB/T 3810.13 ISO 10545.13	Minimum GB	GA
Static coefficient of friction		GB/T 4100-2015 (Annex M)	Individual ≥0.50	≥0.60
Crazing resistance		GB/T 3810.11 ISO 10545.11	No crazing or peeling on the glazed surface after the crazing test	Conformed

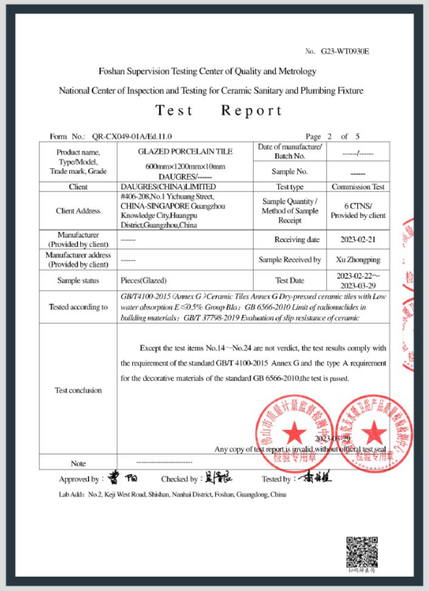


No. G23-WT0930E
Page 1 of 5

检 验 报 告
Test Report

Product name: GLAZED PORCELAIN TILE
Type/Model: 600mmx1200mmx10mm
Client: DAUGRES(CHINA)LIMITED
Manufacturer: ------
Test type: Commission Test
Date of issue: 2023-03-29

佛 山 市 质 量 计 量 监 督 检 测 中 心
Foshan Supervision Testing Center of Quality and Metrology
国家陶瓷及水暖卫浴产品质量检验检测中心
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
(检验专用章)



No. G23-WT0930E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
Test Report

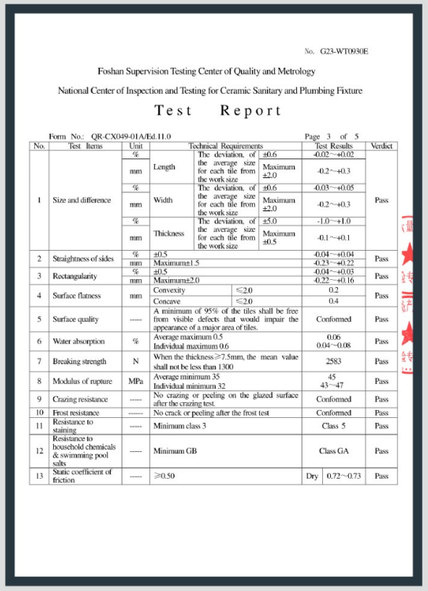
Form No.: QR-CX049-01A/Ed.11.0 Page 2 of 5

Product name, Type/Model, Trade mark, Grade	GLAZED PORCELAIN TILE 600mmx1200mmx10mm DAUGRES/------	Date of manufacture/ Batch No.	------/------
		Sample No.	------
Client	DAUGRES(CHINA)LIMITED	Test type	Commission Test
Client Address	#406-208,No.1 Yichuang Street, CHINA-SINGAPORE Guangzhou Knowledge City,Huangpu District,Guangzhou,China	Sample Quantity / Method of Sample Receipt	6 CTNS/ Provided by client
Manufacturer (Provided by client)	------	Receiving date	2023-02-21
Manufacturer address (Provided by client)	------	Sample Received by	Xu Zhongping
Sample status	Pieces(Glazed)	Test Date	2023-02-22~~ 2023-03-29
Tested according to	*GB/T4100-2015 (Annex G)Ceramic Tiles Annex G Dry-pressed ceramic tiles with Low water absorption E ≤0.5% Group BIa; GB 6566-2010 Limit of radionuclides in building materials; GB/T 37798-2019 Evaluation of slip resistance of ceramic*		
Test conclusion	Except the test items No.14~~No.24 are not verdict, the test results comply with the requirement of the standard GB/T 4100-2015 Annex G and the type A requirement for the decorative materials of the standard GB 6566-2010,the test is passed.		
Note	------		

2023-03-29
Any copy of this report is invalid without official test seal

Approved by : 曹阳 Checked by : 吴伟聪 Tested by : 梁桂雄

Lab Addr: No.2, Keji West Road, Shishan, Nanhai District, Foshan, Guangdong, China

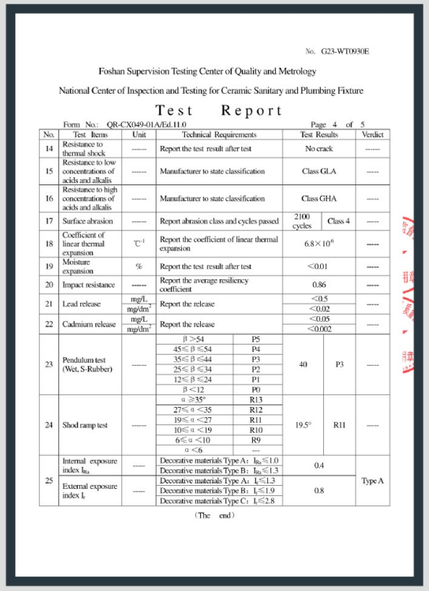


No. G23-WT0930E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
Test Report

Form No.: QR-CX049-01A/Ed.11.0 Page 3 of 5

No.	Test Items	Unit	Technical Requirements			Test Results	Verdict
1	Size and difference	%	Length	The deviation of the average size for each tile from the work size	±0.6	-0.02~~+0.02	Pass
		mm			Maximum ±2.0	-0.2~~+0.3	
		%	Width	The deviation of the average size for each tile from the work size	±0.6	-0.03~~+0.05	
		mm			Maximum ±2.0	-0.2~~+0.3	
		%	Thickness	The deviation of the average size for each tile from the work size	±5.0	-1.0~~+1.0	
		mm			Maximum ±0.5	-0.1~~+0.1	
2	Straightness of sides	%	±0.5			-0.04~~+0.04	Pass
		mm	Maximume1.5			-0.23~~+0.22	
3	Rectangularity	%	±0.5			-0.04~~+0.03	Pass
		mm	Maximume2.0			-0.32~~+0.16	
4	Surface flatness	mm	Convexity		≤2.0	0.2	Pass
			Concave		≤2.0	0.4	
5	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.			Conformed	Pass
6	Water absorption	%	Average maximum 0.5 Individual maximum 0.6			0.06 0.04~~0.08	Pass
7	Breaking strength	N	When the thickness≥7.5mm, the mean value shall not be less than 1300			2583	Pass
8	Modulus of rupture	MPa	Average minimum 35 Individual minimum 32			45 43~~47	Pass
9	Crazing resistance	-----	No crazing or peeling on the glazed surface after the crazing test.			Conformed	Pass
10	Frost resistance	------	No crack or peeling after the frost test			Conformed	Pass
11	Resistance to staining	-----	Minimum class 3			Class 5	Pass
12	Resistance to household chemicals & swimming pool salts	-----	Minimum GB			Class GA	Pass
13	Static coefficient of friction	-----	≥0.50		Dry	0.72~~0.73	Pass



No. G23-WT0930E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
Test Report

Form No.: QR-CX049-01A/Ed.11.0 Page 4 of 5

No.	Test Items	Unit	Technical Requirements		Test Results		Verdict
14	Resistance to thermal shock	------	Report the test result after test		No crack		------
15	Resistance to low concentrations of acids and alkalis	------	Manufacturer to state classification		Class GLA		------
16	Resistance to high concentrations of acids and alkalis	------	Manufacturer to state classification		Class GHA		------
17	Surface abrasion	------	Report abrasion class and cycles passed		2100 cycles	Class 4	------
18	Coefficient of linear thermal expansion	$°C^{-1}$	Report the coefficient of linear thermal expansion		6.8×10^{-6}		------
19	Moisture expansion	%	Report the test result after test		<0.01		------
20	Impact resistance	------	Report the average resiliency coefficient		0.86		------
21	Lead release	mg/L mg/dm²	Report the release		<0.5 <0.02		------
22	Cadmium release	mg/L mg/dm²	Report the release		<0.05 <0.002		------
23	Pendulum test (Wet, S-Rubber)	------	β >54	P5	40	P3	------
			45≤ β ≤54	P4			
			35≤ β ≤44	P3			
			25≤ β ≤34	P2			
			12≤ β ≤24	P1			
			β <12	P0			
24	Shod ramp test	------	α ≥35°	R13	19.5°	R11	------
			27≤ α <35	R12			
			19≤ α <27	R11			
			10≤ α <19	R10			
			6≤ α <10	R9			
			α <6	----			
25	Internal exposure index I_{Ai}	------	Decorative materials Type A: I_{Ai}≤1.0		0.4		Type A
			Decorative materials Type B: I_{Ai}≤1.3				
	External exposure index I_e	------	Decorative materials Type A: I_e≤1.3		0.8		
			Decorative materials Type B: I_e≤1.9				
			Decorative materials Type C: I_e≤2.8				

(The end)

DAUGRES SLAB

DAUGRES

TECHNICAL CHARACTERISTICS		TEST METHOD	REQUIRED VALUE	DAUGRES VALUE[Average]
Length and Width	DIMENSIONS	GB/T 3810.2 ISO 10545.2	± 0.6%	± 0.2%
Thickness	DIMENSIONS		± 5%	± 3%
Straightness of sides	DIMENSIONS		± 0.5%	± 0.2%
Rectangularity	DIMENSIONS		± 0.5%	± 0.2%
Surface flatness	DIMENSIONS		±2.0MM Maximum	±0.5MM
Water Absorption		GB/T 3810.3 ISO 10545.3	Average maximum ≤0.5%	≤0.3%
Breaking Strength (Thickness≥7.5mm)		GB/T 3810.4 ISO 10545.4	≥1300N	≥1500N
Breaking Strength (Thickness<7.5mm)		GB/T 3810.4 ISO 10545.4	≥700N	≥800N
Modulus of Rupture		GB/T 3810.4 ISO 10545.4	Average maximum ≥35MPa	≥38MPa
Thermal Shock Resistance		GB/T 3810.9 ISO 10545.9	No visible alteration	Resistant
Frost Resistance		GB/T 3810.12 ISO 10545.12	No visible alteration	Resistant
Stain Resistance		GB/T 3810.14 ISO 10545.14	Minimum Class 3	Class 5
Chemicals Resistance		GB/T 3810.13 ISO 10545.13	Minimum GB	GA
Lead and Cadmium given off		GB/T 3810.15 ISO 10545.15	Resistant	Resistant
Surface Abrasion		GB/T 3810.7-2006 ISO 10545.7 :1996	Class 3 (750 cycles)	Conformed

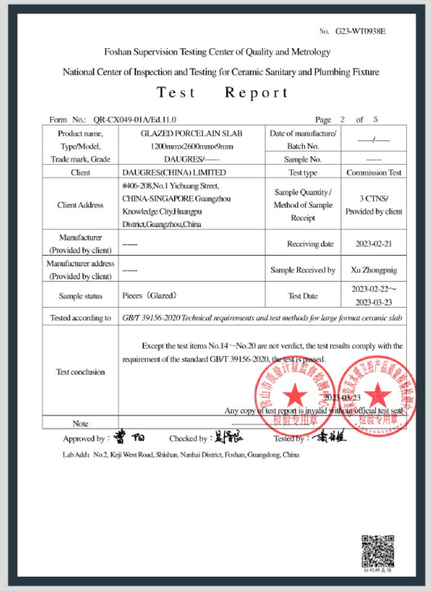


No. G23-WT0938E
Page 1 of 5

检 验 报 告
Test Report

Product name: GLAZED PORCELAIN SLAB
Type/Model: 1200mm×2600mm×9mm
Client: DAUGRES(CHINA) LIMITED
Manufacturer: ------
Test type: Commission Test
Date of issue: 2023-03-23

佛 山 市 质 量 计 量 监 督 检 测 中 心
Foshan Supervision Testing Center of Quality and Metrology
国家陶瓷及水暖卫浴产品质量检验检测中心
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
(检验专用章)



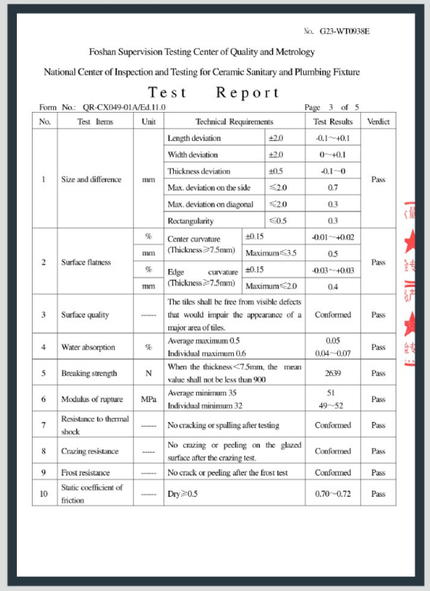
No. G23-WT0938E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
Test Report

Form No.: QR-CX049-01A/Ed.11.0 Page 2 of 5

Product name, Type/Model, Trade mark, Grade	GLAZED PORCELAIN SLAB 1200mmx2600mmx9mm DAUGRES/------	Date of manufacture/ Batch No.	------/------
		Sample No.	------
Client	DAUGRES(CHINA) LIMITED	Test type	Commission Test
Client Address	#406-208,No.1 Yichuang Street, CHINA-SINGAPORE Guangzhou Knowledge City,Huangpu District,Guangzhou,China	Sample Quantity / Method of Sample Receipt	3 CTNS/ Provided by client
Manufacturer (Provided by client)	------	Receiving date	2023-02-21
Manufacturer address (Provided by client)	------	Sample Received by	Xu Zhongping
Sample status	Pieces（Glazed）	Test Date	2023-02-22~ 2023-03-23
Tested according to	*GB/T 39156-2020 Technical requirements and test methods for large format ceramic slab*		
Test conclusion	Except the test items No.14~No.20 are not verdict, the test results comply with the requirement of the standard GB/T 39156-2020, the test is passed.		
Note			

2023-03-23
Any copy of test report is invalid without official test seal
Approved by: 曹旭 Checked by: 吴泽松 Tested by: 徐祖辉
Lab Add: No.2, Keji West Road, Shishan, Nanhai District, Foshan, Guangdong, China

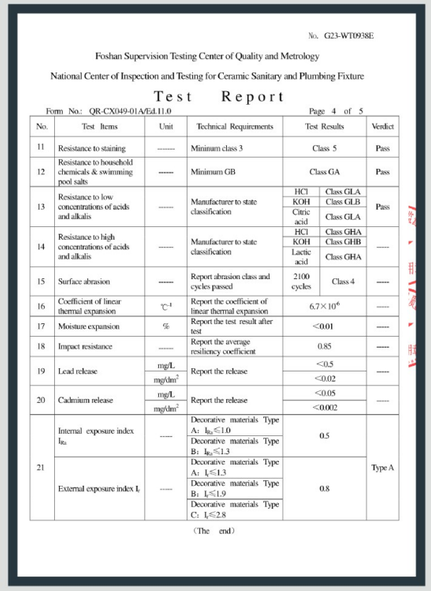


No. G23-WT0938E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
Test Report

Form No.: QR-CX049-01A/Ed.11.0 Page 3 of 5

No.	Test Items	Unit	Technical Requirements		Test Results	Verdict
1	Size and difference	mm	Length deviation	±2.0	-0.1~+0.1	Pass
			Width deviation	±2.0	0~+0.1	
			Thickness deviation	±0.5	-0.1~0	
			Max. deviation on the side	≤2.0	0.7	
			Max. deviation on diagonal	≤2.0	0.3	
			Rectangularity	≤0.5	0.3	
2	Surface flatness	%	Center curvature (Thickness≥7.5mm)	±0.15	-0.01~+0.02	Pass
		mm		Maximum≤3.5	0.5	
		%	Edge curvature (Thickness≥7.5mm)	±0.15	-0.03~+0.03	
		mm		Maximum≤2.0	0.4	
3	Surface quality	------	The tiles shall be free from visible defects that would impair the appearance of a major area of tiles.		Conformed	Pass
4	Water absorption	%	Average maximum 0.5 Individual maximum 0.6		0.05 0.04~0.07	Pass
5	Breaking strength	N	When the thickness<7.5mm, the mean value shall not be less than 900		2639	Pass
6	Modulus of rupture	MPa	Average minimum 35 Individual minimum 32		51 49~52	Pass
7	Resistance to thermal shock	------	No cracking or spalling after testing		Conformed	Pass
8	Crazing resistance	------	No crazing or peeling on the glazed surface after the crazing test.		Conformed	Pass
9	Frost resistance	------	No crack or peeling after the frost test		Conformed	Pass
10	Static coefficient of friction	------	Dry≥0.5		0.70~0.72	Pass



No. G23-WT0938E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
Test Report

Form No.: QR-CX049-01A/Ed.11.0 Page 4 of 5

No.	Test Items	Unit	Technical Requirements	Test Results		Verdict
11	Resistance to staining	--------	Minimum class 3	Class 5		Pass
12	Resistance to household chemicals & swimming pool salts	-------	Minimum GB	Class GA		Pass
13	Resistance to low concentrations of acids and alkalis	-------	Manufacturer to state classification	HCl	Class GLA	Pass
				KOH	Class GLB	
				Citric acid	Class GLA	
14	Resistance to high concentrations of acids and alkalis	-------	Manufacturer to state classification	HCl	Class GHA	-----
				KOH	Class GHB	
				Lactic acid	Class GHA	
15	Surface abrasion	-------	Report abrasion class and cycles passed	2100 cycles	Class 4	-----
16	Coefficient of linear thermal expansion	$°C^{-1}$	Report the coefficient of linear thermal expansion	6.7×10^{-6}		------
17	Moisture expansion	%	Report the test result after test	<0.01		------
18	Impact resistance	--------	Report the average resiliency coefficient	0.85		-----
19	Lead release	mg/L	Report the release	<0.5		-----
		mg/dm^2		<0.02		
20	Cadmium release	mg/L	Report the release	<0.05		-----
		mg/dm^2		<0.002		
21	Internal exposure index I_{dx}	-----	Decorative materials Type A: $I_{dx}\leq1.0$	0.5		Type A
			Decorative materials Type B: $I_{dx}\leq1.3$			
	External exposure index I_x	-----	Decorative materials Type A: $I_x\leq1.3$	0.8		
			Decorative materials Type B: $I_x\leq1.9$			
			Decorative materials Type C: $I_x\leq2.8$			

（The end）

DAUGRES THICKTILE

DAUGRES

PHYSICAL-CHEMICAL PROPERTIES		STANDARD OF TEST	REQUIRED VALUE	DAUGRES VALUE [Average]
Length and Width	DIMENSIONS	GB/T 3810.2 ISO 10545.2	± 0.6% Maximum	± 0.2%
Thickness	DIMENSIONS		± 5% Maximum	± 3%
Straightness of sides	DIMENSIONS		± 0.5% Maximum	± 0.2%
Rectangularity	DIMENSIONS		± 0.5% Maximum	± 0.2%
Surface flatness	DIMENSIONS		±2.0MM Maximum	±0.5MM
Water Absorption		GB/T 3810.3 ISO 10545.3	Average maximum ≤0.5%	≤0.1%
Breaking Strength		EN ISO 10545-4 GB/T 3810.4	≥700N	≥1100N
Stain Resistance		GB/T 3810.14 ISO 10545.14	Minimum Class 3	Class 5
Chemicals Resistance		GB/T 3810.13 ISO 10545.13	Minimum GB	GA
Modulus of Rupture		GB/T 3810.4 ISO 10545.4	Average maximum ≥35MPa	≥38MPa
Static coefficient of friction		GB/T 4100-2015(Annex M)	Individual ≥0.50	≥0.60
Surface abrasion		GB/T 3810.7	Test method available	2100 cycles CLASS 4
Anti-Slip properties		DIN 51130	/	R11



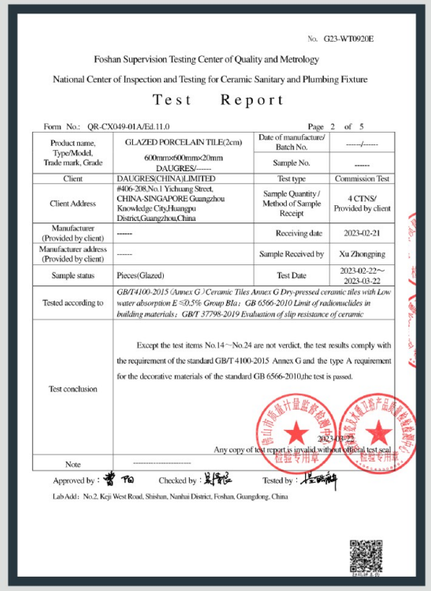
No. G23-WT0920E
Page 1 of 5

检 验 报 告

Test Report

Product name: GLAZED PORCELAIN TILE(2cm)
Type/Model: 600mmx600mmx20mm
Client: DAUGRES(CHINA)LIMITED
Manufacturer: ------
Test type: Commission Test
Date of issue: 2023-03-22

佛 山 市 质 量 计 量 监 督 检 测 中 心
Foshan Supervision Testing Center of Quality and Metrology
国家陶瓷及水暖卫浴产品质量检验检测中心
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture
(检验专用章)



No. G23-WT0920E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture

Test Report

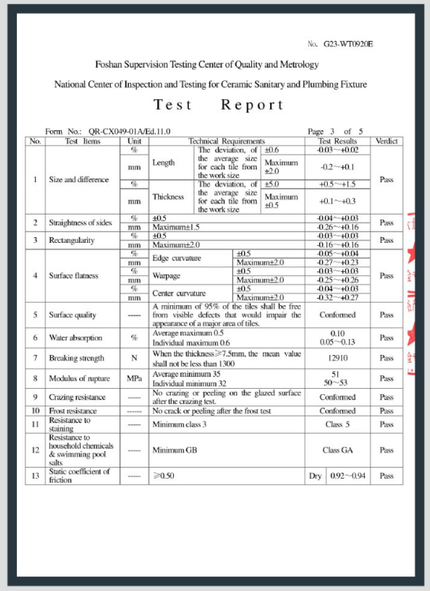
Form No.: QR-CX049-01A/Ed.11.0 Page 2 of 5

Product name, Type/Model, Trade mark, Grade	GLAZED PORCELAIN TILE(2cm) 600mmx600mmx20mm DAUGRES/------	Date of manufacture/ Batch No.	------/------
		Sample No.	------
Client	DAUGRES(CHINA)LIMITED	Test type	Commission Test
Client Address	#406-208,No.1 Yichuang Street, CHINA-SINGAPORE Guangzhou Knowledge City,Huangpu District,Guangzhou,China	Sample Quantity / Method of Sample Receipt	4 CTNS/ Provided by client
Manufacturer (Provided by client)	------	Receiving date	2023-02-21
Manufacturer address (Provided by client)	------	Sample Received by	Xu Zhongping
Sample status	Pieces(Glazed)	Test Date	2023-02-22~ 2023-03-22
Tested according to	*GB/T4100-2015 (Annex G)'Ceramic Tiles Annex G Dry-pressed ceramic tiles with Low water absorption E ≤0.5% Group BIa ; GB 6566-2010 Limit of radionuclides in building materials ; GB/T 37798-2019 Evaluation of slip resistance of ceramic*		
Test conclusion	Except the test items No.14~No.24 are not verdict, the test results comply with the requirement of the standard GB/T 4100-2015 Annex G and the type A requirement for the decorative materials of the standard GB 6566-2010,the test is passed.		
Note	----------		

Any copy of this report is invalid without official test seal

Approved by : 曹 阳 Checked by : Tested by :

Lab Add: No.2, Keji West Road, Shishan, Nanhai District, Foshan, Guangdong, China



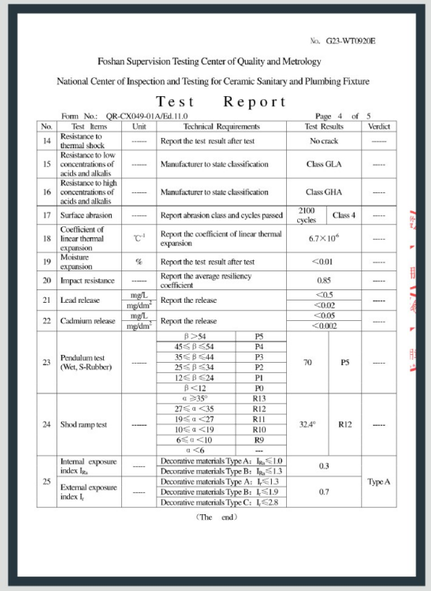
No. G23-WT0920E

Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture

Test Report

Form No.: QR-CX049-01A/Ed.11.0 Page 3 of 5

No.	Test Items	Unit	Technical Requirements			Test Results	Verdict
1	Size and difference	%	Length	The deviation, of the average size for each tile from the work size	±0.6	-0.03~+0.02	Pass
		mm			Maximum ±2.0	-0.2~+0.1	
		%	Thickness	The deviation, of the average size for each tile from the work size	±5.0	+0.5~+1.5	
		mm			Maximum ±0.5	+0.1~+0.3	
2	Straightness of sides	%	±0.5			-0.04~+0.03	Pass
		mm	Maximum±1.5			-0.26~+0.16	
3	Rectangularity	%	±0.5			-0.03~+0.03	Pass
		mm	Maximum±2.0			-0.16~+0.16	
4	Surface flatness	%	Edge curvature		±0.5	-0.05~+0.04	Pass
		mm			Maximum±2.0	-0.27~+0.23	
		%	Warpage		±0.5	-0.03~+0.03	
		mm			Maximum±2.0	-0.25~+0.26	
		%	Center curvature		±0.5	-0.04~+0.03	
		mm			Maximum±2.0	-0.32~+0.27	
5	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.			Conformed	Pass
6	Water absorption	%	Average maximum 0.5 Individual maximum 0.6			0.10 0.05~0.13	Pass
7	Breaking strength	N	When the thickness≥7.5mm, the mean value shall not be less than 1300			12910	Pass
8	Modulus of rupture	MPa	Average minimum 35 Individual minimum 32			51 50~53	Pass
9	Crazing resistance	------	No crazing or peeling on the glazed surface after the crazing test			Conformed	Pass
10	Frost resistance	------	No crack or peeling after the frost test			Conformed	Pass
11	Resistance to staining	------	Minimum class 3			Class 5	Pass
12	Resistance to household chemicals & swimming pool salts	------	Minimum GB			Class GA	Pass
13	Static coefficient of friction	------	≥0.50			Dry 0.92~0.94	Pass



No. G23-WT0920E

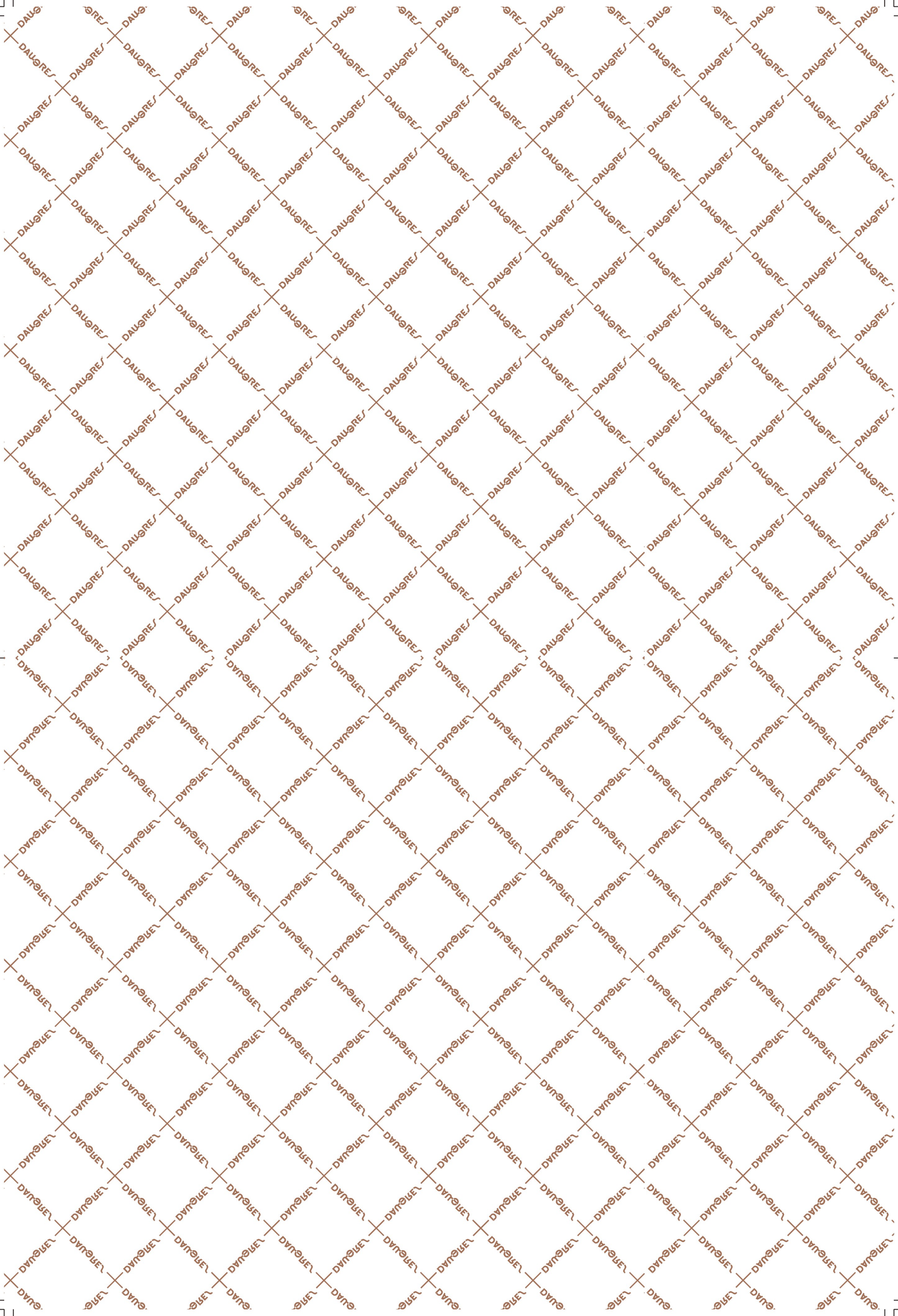
Foshan Supervision Testing Center of Quality and Metrology
National Center of Inspection and Testing for Ceramic Sanitary and Plumbing Fixture

Test Report

Form No.: QR-CX049-01A/Ed.11.0 Page 4 of 5

No.	Test Items	Unit	Technical Requirements	Test Results		Verdict
14	Resistance to thermal shock	------	Report the test result after test	No crack		------
15	Resistance to low concentrations of acids and alkalis	------	Manufacturer to state classification	Class GLA		------
16	Resistance to high concentrations of acids and alkalis	------	Manufacturer to state classification	Class GHA		------
17	Surface abrasion	------	Report abrasion class and cycles passed	2100 cycles	Class 4	------
18	Coefficient of linear thermal expansion	$℃^{-1}$	Report the coefficient of linear thermal expansion	6.7×10^{-6}		------
19	Moisture expansion	%	Report the test result after test	<0.01		------
20	Impact resistance	------	Report the average resiliency coefficient	0.85		------
21	Lead release	mg/L mg/dm^2	Report the release	<0.5 <0.02		------
22	Cadmium release	mg/L mg/dm^2	Report the release	<0.05 <0.002		------
23	Pendulum test (Wet, S-Rubber)	------	β >54	70	P5	------
			45≤ β ≤54		P4	
			35≤ β ≤44		P3	
			25≤ β ≤34		P2	
			12≤ β ≤24		P1	
			β <12		P0	
24	Shod ramp test	------	α ≥35°	32.4°	R13	------
			27≤ α <35		R12	
			19≤ α <27		R11	
			10≤ α <19		R10	
			6≤ α <10		R9	
			α <6		---	
25	Internal exposure index I_{dx}	------	Decorative materials Type A: I_{dx}≤1.0	0.3		Type A
			Decorative materials Type B: I_{dx}≤1.3			
	External exposure index I_x	------	Decorative materials Type A: I_x≤1.3	0.7		
			Decorative materials Type B: I_x≤1.9			
			Decorative materials Type C: I_x≤2.8			

(The end)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