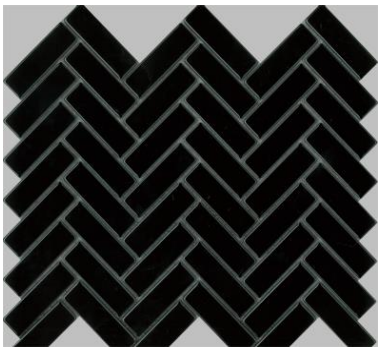
Herringbone Mosaics





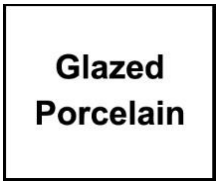


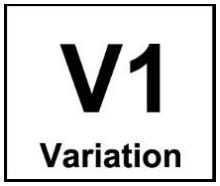
Harmonize high gloss with muted matt in a classic Black and White design.

Why not emphasize the vintage herringbone pattern with a contrasting grout to achieve maximum visual drama.

- **Colours** Black & White
- **Finishes** Matt & Gloss
- **Size** 23x73mm







GNS Ceramics recommends that our retail shops pass on the following information to the installer and end-user.

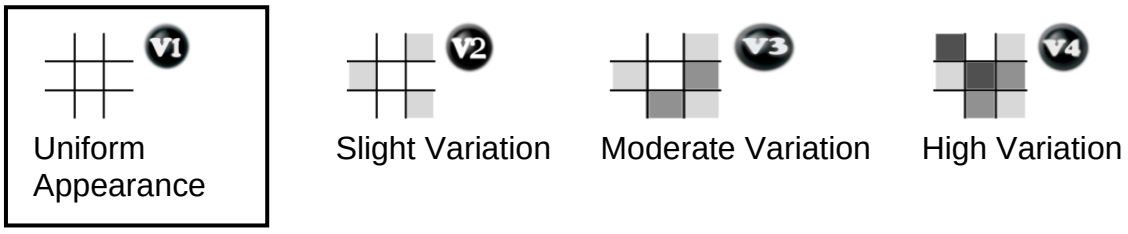
Ceramic tiles are only one component of a much larger building system. It is our experience that failure of any tiling system is very often the result of a combination of factors. For example; inappropriate design, type of substrate, surface preparation, temperature during installation, adhesives, incompatibility of products, product failure, environmental factors skill and knowledge of the installers etc; the latter being supplied or controlled by a variety of manufacturers and tradesmen. GNS Ceramics has no involvement in the design, selling and installation processes and once goods have been dispatched from our warehouse we have no control over where and how these products are used. As a result the project manager, and or the tiler are the only people in a position to ensure that all the components used in a project are compatible and that the product is installed in accordance with the Australian Building Code and the Australian Standards.

Installation Instructions for all types of tiles can be found in the GNS Ceramics Price List, and on our website. We suggest these are followed at all times.

Cleaning and Maintenance

Do not use abrasive cleaners and chemicals which could permanently scratch and damage the surface of the tile. For daily cleaning we recommend the use of a mild PH Neutral detergent. Should a more vigorous cleaning programme be required we recommend the use of a proprietary tile cleaner from a specialty tile supplier.

Colour & Pattern Variation Guide



Classes of Use

The classification has taken into account the recommendations of the Australian Standards; however, they are given for general guidance only. They are valid for the given application under **NORMAL CONDITIONS** and should not be taken to provide accurate product specifications for specific requirements.

WARNING: Other standards and building code requirements may affect your selection of tiles. Consideration should be given to the footwear, type of pedestrian traffic and cleaning methods expected. Floors should be adequately protected against soiling from following trades during installation; they should also be protected against scratching dirt at the entrances to building by interposing footwear cleaning devices. For example, mats, shoe scrapers, static devices, etc.

CLASS 1 - Floor coverings in areas that are walked on with soft soled footwear or bare feet without scratching dirt; For example, residential en-suite bathrooms without direct access from the outside.

COTTO THAI CERAMIC CO.,LTD
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กมช.-สมอ.-มอก.17025
ทดสอบ 0187

CERTIFICATE OF QUALITY PRODUCT

REPORT NO 2016/451
ISSUE DATE 11 Jul 16
CUSTOMER Yaowadee Thongthanomkul
PRODUCT MT 06T-6110 (HRB)
CERAMIC TILES Glazed Tiles Group Bla, Eb ≤ 0.5%
Work size: 21.9x72.8x6.5 mm

Characteristics	Specification ISO 13006: 2012(E)	Result			Test Methods
		Avg	Max	Min	
1.Width : the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.6 %	0.27	0.50	0.00	**ISO 10545-2:1995**
2.Length: the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.6 %	-0.19	0.07	-0.44	
3. Thickness, the deviation, in percent, of the average thickness of each tile from the work size, thickness	± 5 %	-3.85	-2.00	-4.46	
4. Water absorption, per cent mass fraction	Eb ≤ 0.5 %	0.08			**ISO 10545-3:1995**
5. Modulus of rupture in N/mm²	Minimum 35	89.88			**ISO 10545-4:2004**
6. Breaking strength, N Thickness <7.5 mm	Not less than 700	2056.52			**ISO 10545-4:2004**
7. Crazing Resistance	Resisted	Resisted			**ISO 10545-11:1994**
8. Resistance to staining					**ISO 10545-14:1995**
a) Stains leaving a trace (pastes)	Minimum Class 3	Class 5			
b) Stains having chemical / oxidizing action	Minimum Class 3	Class 5			
c) Stains, forming a film	Minimum Class 3	Class 5			
9. Resistance to chemicals					**ISO 10545-13:1995**
a) Resistance to low concentrations of acids , glazed tiles	Minimum Class GLB	GLA			
b) Resistance to low concentrations of alkalis, glazed tiles	Minimum Class GLB	GLA			
c) Resistance to household chemicals and swimming pool salts, glazed tiles	Minimum class GB	GA			
d) Resistance to swimming pool salts, glazed tiles	Minimum class GB	GA			

QC-R423 ; 15-02-2016

Reported by : **Thunchanit Aunjai** **Approved by :** **Panu Vadrugchit**

Date : **11-Jul-16** **Date :** **11-Jul-16**

The features may be transformed by lot production. But all the property values in the range of the standards.

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กมช.-สมอ.-มอก.17025
ทดสอบ 0187

CERTIFICATE OF QUALITY PRODUCT

REPORT NO 2016/450
ISSUE DATE 11 Jul 16
CUSTOMER Yaowadee Thongthanomkul
PRODUCT MT 06T-6790 (HRB)
CERAMIC TILES Glazed Tiles Group Bla, Eb ≤ 0.5%
Work size: 21.9x72.8x6.5 mm

Characteristics	Specification ISO 13006: 2012(E)	Result			Test Methods
		Avg	Max	Min	
1.Width : the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.6 %	0.32	0.77	0.05	**ISO 10545-2:1995**
2.Length: the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.6 %	-0.07	0.18	-0.27	
3. Thickness, the deviation, in percent, of the average thickness of each tile from the work size, thickness	± 5 %	-1.54	2.92	-3.69	
4. Water absorption, per cent mass fraction	Eb ≤ 0.5 %	0.09			**ISO 10545-3:1995**
5. Modulus of rupture in N/mm²	Minimum 35	68.05			**ISO 10545-4:2004**
6. Breaking strength, N Thickness <7.5 mm	Not less than 700	1747.37			**ISO 10545-4:2004**
7. Crazing Resistance	Resisted	Resisted			**ISO 10545-11:1994**
8. Resistance to staining					**ISO 10545-14:1995**
a) Stains leaving a trace (pastes)	Minimum Class 3	Class 5			
b) Stains having chemical / oxidizing action	Minimum Class 3	Class 5			
c) Stains, forming a film	Minimum Class 3	Class 5			
9. Resistance to chemicals					**ISO 10545-13:1995**
a) Resistance to low concentrations of acids , glazed tiles	Minimum Class GLB	GLA			
b) Resistance to low concentrations of alkalis, glazed tiles	Minimum Class GLB	GLA			
c) Resistance to household chemicals and swimming pool salts, glazed tiles	Minimum class GB	GA			
d) Resistance to swimming pool salts, glazed tiles	Minimum class GB	GA			

QC-R423 ; 15-02-2016

Reported by : Thunchanit Aunjai **Approved by :** Panu Vadrugchit

Date : 11-Jul-16 **Date :** 11-Jul-16

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กมช.-สมอ.-มอก.17025
ทดสอบ 0187

CERTIFICATE OF QUALITY PRODUCT

REPORT NO 2016/449
ISSUE DATE 11 Jul 16
CUSTOMER Yaowadee Thongthanomkul
PRODUCT MT 06T-MW (HRB)
CERAMIC TILES Glazed Tiles Group Bla, Eb ≤ 0.5%
Work size: 21.9x72.8x6.5 mm

Characteristics	Specification ISO 13006: 2012(E)	Result			Test Methods
		Avg	Max	Min	
1.Width : the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.6 %	0.23	0.68	0.14	**ISO 10545-2:1995**
2.Length: the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.6 %	-0.03	0.21	-0.45	
3. Thickness, the deviation, in percent, of the average thickness of each tile from the work size, thickness	± 5 %	-3.08	0.00	-4.00	
4. Water absorption, per cent mass fraction	Eb ≤ 0.5 %	0.03			**ISO 10545-3:1995**
5. Modulus of rupture in N/mm²	Minimum 35	89.94			**ISO 10545-4:2004**
6. Breaking strength, N Thickness <7.5 mm	Not less than 700	2082.05			**ISO 10545-4:2004**
7. Crazing Resistance	Resisted	Resisted			**ISO 10545-11:1994**
8. Resistance to staining					**ISO 10545-14:1995**
a) Stains leaving a trace (pastes)	Minimum Class 3	Class 5			
b) Stains having chemical / oxidizing action	Minimum Class 3	Class 5			
c) Stains, forming a film	Minimum Class 3	Class 5			
9. Resistance to chemicals					**ISO 10545-13:1995**
a) Resistance to low concentrations of acids , glazed tiles	Minimum Class GLB	GLA			
b) Resistance to low concentrations of alkalis, glazed tiles	Minimum Class GLB	GLA			
c) Resistance to household chemicals and swimming pool salts, glazed tiles	Minimum class GB	GA			
d) Resistance to swimming pool salts, glazed tiles	Minimum class GB	GA			

QC-R423 ; 15-02-2016

Reported by : **Thunchanit Aunjai** **Approved by :** **Panu Vadrugchit**

Date : **11-Jul-16** **Date :** **11-Jul-16**

The features may be transformed by lot production. But all the property values in the range of the standards.

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กมช.-สมอ.-มอก.17025
ทดสอบ 0187

CERTIFICATE OF QUALITY PRODUCT

REPORT NO 2016/696
ISSUE DATE 20 Dec 16
CUSTOMER Yaowadee Thongthanomkul
PRODUCT MT 06T-0790-HRB (NET/PACK 10) PM
CERAMIC TILES Glazed Tiles Group Bla, Eb ≤ 0.5%
Work size: 21.9x72.8x6.5 mm

Characteristics	Specification ISO 13006: 2012(E)	Result Avg	Result Max	Result Min	Test Methods
1.Width : the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.9 % ± 2.00 mm	0.23 0.05	0.68 0.15	-0.32 -0.07	**ISO 10545-2:1995**
2.Length: the deviation, in percent, of the average size for each tile (two or four sides) from the work size, *Sw*	± 0.9 % ± 2.00 mm	0.23 0.17	0.47 0.34	-0.14 -0.10	
3. Thickness, the deviation, in percent, of the average thickness of each tile from the work size, thickness	± 5 % ± 0.5 mm	-3.08 -0.20	-1.08 -0.07	-3.85 -0.25	
4. Water absorption, per cent mass fraction	Eb ≤ 0.5 %	0.03			**ISO 10545-3:1995**
5. Modulus of rupture in N/mm^2	Minimum 35	73.44			**ISO 10545-4:2004**
6. Breaking strength, N Thickness <7.5 mm	Not less than 700	170.85			**ISO 10545-4:2004**
7. Crazing Resistance	Resisted	Resisted			**ISO 10545-11:1994**
8. Resistance to staining					**ISO 10545-14:1995**
a) Stains leaving a trace (pastes)	Minimum Class 3	Class 5			
b) Stains having chemical / oxidizing action	Minimum Class 3	Class 5			
c) Stains, forming a film	Minimum Class 3	Class 5			
9. Resistance to chemicals					**ISO 10545-13:1995**
a) Resistance to low concentrations of acids , glazed tiles	Minimum Class GLB	GLA			
b) Resistance to low concentrations of alkalis, glazed tiles	Minimum Class GLB	GLA			
c) Resistance to household chemicals and swimming pool salts, glazed tiles	Minimum class GB	GA			
d) Resistance to swimming pool salts, glazed tiles	Minimum class GB	GA			

QC-R423 ; 1-Nov-2016

Reported by : Thunchanit Aunjai **Approved by :** Panu Vadrugchit
Date : 20-Dec-16 **Date :** 20-Dec-16

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