

Plus: The Accessory Collection

Finish your next commercial project with our PLUS collection. Crafted for practicality and functionality, these tiles feature consistent colour and texture throughout, making them ideal for high-traffic areas. Full technical specifications are available on request. Included in this full body porcelain collection:

+ Step Treads,
+ Coves,
+ Base Tiles
+ Tactiles.



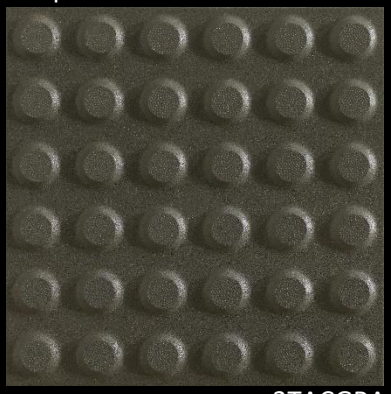
Plus

GNS CERAMICS
EXCLUSIVELY WHOLESALE

300x300mm Tac Tiles

Warning Dots

Graphite



3TACGRA

Safety Yellow



3TACYLA

White

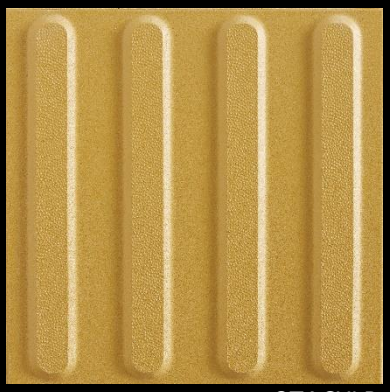


3TACWHA

Directional Lines



3TACGRB



3TACYLB



3TACWHB

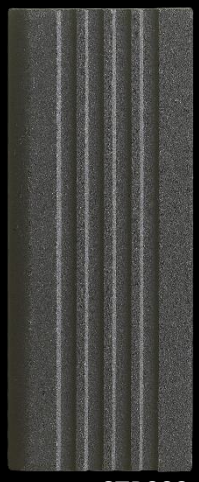
60x150mm Step Treads

Speckled White



STP003

Charcoal



STP009

Speckled Charcoal



STP040

Speckled Grey



STP055

Safety Yellow



STP095

White



STP103

Full Body Porcelain

V1 Variation

Cushioned Edge

Floor Cat. 6

R11 (P5) Tactiles

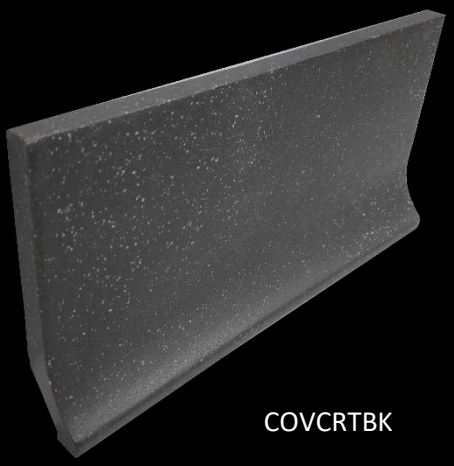
R12 (P5) Steptreads

1

Plus

100x200mm Cove Skirting

Black



COVCRTBK

Grey

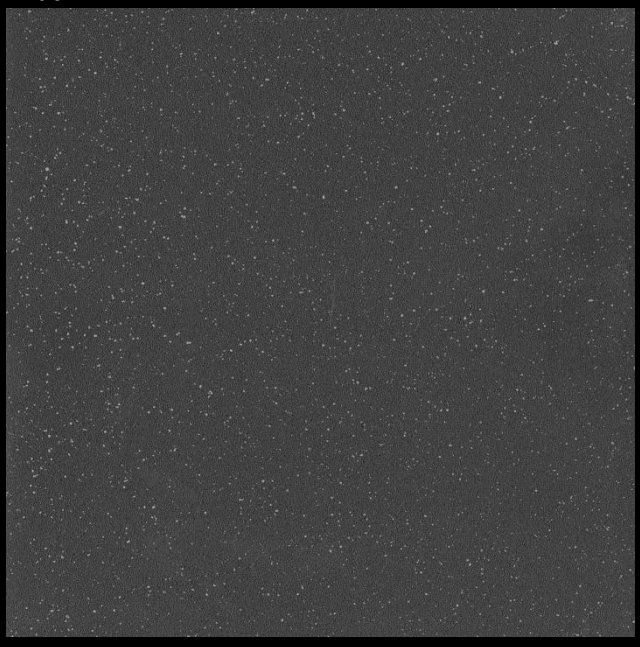


COVCRTGY

200x200mm Base Tiles

Matt & External

Black



2CRTBKM
2CRTBKX

Grey



2CRTGYM
2CRTGYX

Full Body Porcelain

V2 Variation

Cushioned Edge

Floor Cat. 6

P3
Matt

P5
External

1

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

Click or Scan for Installation Instructions

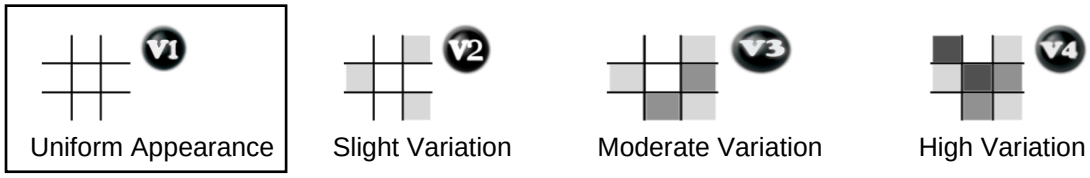
Ceramic tiles are only one component of a much larger building system. It is our experience that failure of any tiling system is very often the result of a combination of factors. For example; inappropriate design, type of substrate, surface preparation, temperature during installation, adhesives, incompatibility 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



Slip Resistance

The best way to minimise the risk of slipping is through safe design principals. This involves a risk management approach which evaluates the likelihood and consequence of an incident to occur. Slip resistive flooring is only one of the design components to consider, other design features should also be considered, including awnings, airlocks, matting and a suitable cleaning regime to reduce the extent of contaminates. Visual aids, warning signs, handrails and lighting, along with the footwear to be worn, should also be considered.

All ceramic tiles can be slippery, particularly when wet. This includes tiles, commonly used in wet areas such as bathrooms. It is important that customers be aware of the potential danger of wet ceramic tiles and seek advice from the retailer as to the level of slip-resistance of any particular tile, and its suitability for the intended application. If there is any doubt, tiles should be tested for slip-resistance immediately after being laid, under the conditions that they will be subject to during use. While tiles may achieve an acceptable standard in a laboratory test, it is quite probable that the performance in-situ will be less than expected, due to installation methods, wear & tear, cleaning regimes and unforeseen circumstances. Test results should therefore to be seen as a relative guide to estimate the merits of one tile versus another and should be used in conjunction with the Australian Building Code and the relevant Australian Standards. Further information on slip resistance is provided in the Australian Standards HB198:2014 - An Introductory guide to the slip resistance of pedestrian surface materials.

There are many factors beyond the control of the supplier that can affect the level of slip-resistance of tiles, or contribute to the incidents of injury through slipping. Consequently, the laboratory test results presented here must not be viewed to mean that GNS Ceramics Pty Ltd, is providing any warranty, nor will accept any liability for personal injury or accidents arising from the selection or installation of tiles under any circumstances.

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 6 - Floor coverings that are subject to extreme heavy pedestrian and vehicular traffic and substantial quantities of scratching dirt; For example, workshops, commercial kitchens and restaurants, Railway platforms, footpaths.

中国认可
国际互认
检测
TESTING
CNAS L1978

190000122473

检 测 报 告
TEST REPORT

报 告 编 号: REPORT NO. :	25202305080
样 品 名 称: NAME OF SAMPLE:	导向砖 UNGLAZED TILE/TAC TILE
委 托 单 位: APPLICANT:	佛山市图洛建材有限公司 FOSHAN TO ROCK CERAMICS CO., LTD
检 验 日 期: DATE OF TEST:	08/12/2023 – 16/12/2023 (dd/mm/yy)

国 家 建 筑 卫 生 陶 瓷 检 测 重 点 实 验 室
STATE KEY TESTING LABORATORY OF BUILDING CERAMICS AND SANITARY WARE
佛 山 海 关 综 合 技 术 中 心
COMPREHENSIVE TECHNOLOGY CENTRE OF FOSHAN CUSTOMS

佛 山 海 关 综 合 技 术 中 心
COMPREHENSIVE TECHNOLOGY CENTRE OF FOSHAN CUSTOMS

检 测 报 告
TEST REPORT

样品名称 Name of sample	导向砖 UNGLAZED TILE/TAC TILE	名义尺寸 Nominal size (N)	30cm×30cm
表面特性 Nature of the surface	无釉 Unglazed (UGL)	工作尺寸 Work size	300mm×300mm×15.0mm
类别 Group	B Ⅰa	预期用途 Intended use	室内外墙地砖 Floorings and wall finishes, Interior and exterior
样品标记 Mark of samples	D202D-1	样品数量 Quantity of samples	30 块 30 Pieces
委托单位 Applicant	佛山市图洛建材有限公司 FOSHAN TO ROCK CERAMICS CO., LTD	委托单位地址 Address of applicant	佛山市禅城区石湾镇街道沙围新村三街三巷塘头沙围仓六座 1 号之一 NEAR FOSHAN INTERNATIONAL HOME FURNISHING EXPO CITY, SHIWAN TOWN, FOSHAN, CHINA
委托单位电话 Telephone of applicant	86-13590666624	委托单位传真 Fax of Applicant	86-757-82713837
样品来源 Source of Samples	委托单位自送样品 Samples selected by applicant	接样日期 Received on	06/12/2023
检验依据 Test Standard	1. EN 14411:2016 *Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking* 2. AS 4586-2013/Amdt 1-2017 *Slip resistance classification of new pedestrian surface materials* 3. DIN 51130:2014 *Testing of floor coverings – Determination of the anti-slip property – Workrooms and fields of activities with slip danger, walking method – Ramp test*		
检验结论 Conclusion of Test	样品经检验,所检验项目的检验结果符合 EN 14411:2016 标准中附录 G 的规定。 The results conform to the requirement of Annex G of standard EN 14411:2016 with respect to the test items.		
检验单位盖章 Stamp of Test Unit	日期：29/12/2023 Date:	检验单位联系方式 Address of Test Unit	地址：广东省佛山市禅城区魁奇一路澜石（国际）金属交易中心十八座二楼 Address： 2/F, Building 18, Lanshi International Metal Exchange Center, Kuiqiyi Road, Chancheng District, Foshan, Guangdong, China (528000) 电话（Tel）：86-757-83960558 86-757-83827991 传真（Fax）：86-757-83827971 邮箱（E-mail）：fsiqtc@163.com
声明 Notes	1、我们已尽所知所能实施上述检验，不能因签发本报告而免除有关各方根据合同和法律所承担的责任和义务； All inspections are carried out conscientiously to the best of our knowledge and ability. This report does not in any respect absolve the other related parties from his contractual and legal obligations. 2、未经本实验室书面许可，不得部分复制本报告； This report shall not be reproduced, except in full, without the prior written approval from the issuing laboratory. 3、本报告仅是样品的检测结果。 The results in this report apply to the samples only. 4、本报告所述的样品信息为委托单位自行声明，实验室不负责其真实性。 The product information are declared by applicant，and laboratory is not responsible for the authenticity.		

检验负责人 Tested by _____ 审核 Inspected by _____ 批准 Approved by _____

委托单位声明
Remark of applicant

产品系列名称: 导向砖

Product family: UNGLAZED TILE/TAC TILE

表面特性:无釉

Nature of the surface: Unglazed (UGL)

产品类别 Group:BⅠa

名义尺寸 Nominal size (N): 30cm×30cm

本系列所包含的产品型号 Items in the family：
D202D-1, D232D-1, D502D-1, D532D-1, D506G-1, D536G-1, D901-1, D931-1, D503B-1, D533B-1, D202D-8, D502D-8, D506G-8

本系列所包含产品型号的吸水率、规格、使用的材料、采用的成型方法以及表面特征是一致的，区别在于外观设计。
All items in the family are same in water absorption, dimensions and thickness, material, method of manufacture and natural of surface except for the design of appearance.

样品照片
Photo of Samples



EN 14411:2016 *Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking*
Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group BIa ($E_b \leq 0,5$ %)

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
A	**尺寸和表面质量** **Dimensions and surface quality**				
A.1	**长度和宽度** **Length and Width** 每块砖的平均尺寸相对于工作尺寸的允许偏差 The permissible deviation of the average size for each tile from the work size	EN ISO 10545-2:2018	±0.6%	+0.51%~+0.58%	P
			±2.0mm	+1.5mm~+1.7mm	P
A.2	**厚度** **Thickness** 每块砖厚度的平均值相对于工作尺寸的最大允许偏差 The permissible deviation, of the average thickness of each tile from the work size thickness	EN ISO 10545-2:2018	±5%	-0.9%~+0.2%	P
			±0.5mm	-0.1mm~0	P
B	**物理性能** **Physical properties**				
B.1	**吸水率** 质量分数 **Water absorption** Percent mass fraction	EN ISO 10545-3:2018	$E_b \leq 0.5\%$	0.23%	P
			单个值不大于 0.6% Individual maximum 0.6%	0.21%~0.25%	P
B.2	**破坏强度/N** **Breaking strength, in N**	EN ISO 10545-4:2019	≥1300	2612	P
B.3	**断裂模数/(MPa)** **Modulus of rupture, in MPa** 不适用于破坏强度≥ 3000N 的陶瓷砖 Not applicable to tiles with breaking strength ≥ 3000N	EN ISO 10545-4:2019	平均值≥35 Minimum 35	41.0	P
			单个值≥32 Individual minimum 32	40.1~42.6	P
B.4	**耐磨性** **Abrasion resistance** 无釉砖耐磨深度：磨损体积/(mm^3) Resistance to deep abrasion of unglazed tiles: Removed volume, in cubic millimeters	EN ISO 10545-6:2012	≤175	95～109	P
B.6	**抗热震性** **Thermal shock resistance**	EN ISO 10545-9:2013	应通过此项测试 Pass	样品经试验，无炸裂或裂纹 Fully resistance	P
B.8	**抗冻性** **Frost resistance**	EN ISO 10545-12:1997	应通过此项测试 Pass	所有样品无裂纹或破损 Fully resistance	P

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EN 14411:2016 *Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking*
Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group BIa ($E_b \leq 0{,}5$ %)

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
B.9	**防滑性能 Slipperiness**				
	倾斜平台法，油法 Oil-wet inclining platform test method	DIN 51130: 2014	报告检验结果 Declared value	修正后的平均临界角 α_{ges}: 21.0° Corrected mean overall acceptance angle α_{ges}: 21.0° 防滑类别: R11 Classification: R11	—
	摆锤法，湿法，Slider 96 Wet pendulum test method, Slider 96	AS 4586-2013/ Amdt 1-2017 Appendix A 附录 A	报告检验结果 Declared value	SRV: 59 类别 Class: P5	—
B.14	**防火性能 Reaction to fire**	无需测试 CWT	A1 or $A1_{FL}$ 级 Class A1 or $A1_{FL}$	墙砖：A1 级 地砖：$A1_{fl}$ 级 Used for walls: Class A1 Used for floorings: Class $A1_{fl}$	P
C	**化学性能 Chemical properties**				
C.1	**耐污染性 Resistance to staining**				
	a)轻油中的铬绿 a) Green staining agent in light oil	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
	b)轻油中的红色污染物 b) Red staining agent in light oil	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
	c) 13g/L 碘酒液 c) Iodine, 13g/L solution in alcohol	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
	d)橄榄油 d) Olive oil	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
C.2	**耐化学腐蚀性 Resistance to chemicals**				
	耐家庭化学试剂和游泳池盐类 Resistance to household chemicals and swimming pool salts				
	家庭化学试剂：氯化铵溶液，100g/L a) Household chemicals: Ammonium chloride, 100g/L	EN ISO 10545-13:2016	不低于 B 级 Minimum class B	A	P
	b) 游泳池盐类：次氯酸钠溶液，20mg/L b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	EN ISO 10545-13:2016	不低于 B 级 Minimum class B	A	P
	耐低浓度酸和碱 Resistance to low concentrations of acids and alkalis				
	a) 3%盐酸溶液(v/v) a) Hydrochloric acid solution, 3% (v/v)	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—

EN 14411:2016 *Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking*
Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group BIa ($E_b \leq 0,5$ %)

条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
C.2	b) 柠檬酸溶液，100g/L b) Citric acid solution, 100g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—
	c) 氢氧化钾溶液，30g/L c) Potassium hydroxide, 30g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—
	耐高浓度酸和碱 Resistance to high concentrations of acids and alkalis				
	a) 18%盐酸溶液(v/v) a) Hydrochloric acid solution, 18% (v/v)	EN ISO 10545-13:2016	报告检验结果 Declared value	HA	—
	b) 5 %乳酸溶液(v/v) b) Lactic acid, 5 % (v/v)	EN ISO 10545-13:2016	报告检验结果 Declared value	HA	—
	c) 氢氧化钾溶液，100g/L c) Potassium hydroxide, 100g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	HA	—

用语说明 Possible test case verdicts
1. P(ass)：合格 *Test item does meet the requirement.*
2. F(ail)：不合格 *Test item does not meet the requirement.*
3. —：未进行判定 *Verdict was not carried out.*
4. N/A：不适用 *Test case does not apply to the test item.*

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报告结束 End of Test Report

LRV Test Report on Measurement of Luminous Reflectance

F240009

Issue Date: 30/07/2024

Customer order number:	1087383
Requested by:	GNS Ceramics
Address:	3 Cox Place Glendenning NSW 2761
Contact number:	02 9851 0000
Sample number:	2407298
Sample name:	3TACWHA
Sample description:	3TACWHA D901-1 TACTILE PLUS WHITE WARNING DOTS 300X300mm. Attached photo of one tile, 

Test Date	**29/07/2024**	**Temperature (Laboratory)**	21.1°C
Tester:	**Minolta Chroma Meter CR-400 Tristimulus Colour Analyser**		
Test Specimen	**Location 1 Dry Yd**	**Location 2 Dry Yd**	**Mean Luminous Reflectance Dry (Yd)**
1	51.3	51.3	**51.5**
2	51.7	52.0	
3	50.9	52.0	
4	50.8	51.5	
5	51.2	51.9	
Each specimen cleaned with dry and light scrubbing prior to testing. LRV = Light Reflectance Value. Light source: D65, Aperture: 8mm-diameter. Observer angel: 2°.			

Test conducted according to AS 1428.1-2009 Appendix B Paragraph B3 Design for access and mobility Part 1: General requirements for access—New building work B3 MEASUREMENT OF LUMINANCE CONTRAST—LABORATORY. Results relate only to the items tested. Test location on the surface of each dot.

Test Location:	Ceramic Test Lab, 175 Racecourse Rd, Rutherford, NSW, 2320 Australia		
Test Officer	Hong Lu	**Report Officer**	Hong Lu Hong Lu

LRV Test Report on Measurement of Luminous Reflectance

F240008

Issue Date: 30/07/2024

Customer order number:	1087383
Requested by:	GNS Ceramics
Address:	3 Cox Place Glendenning NSW 2761
Contact number:	02 9851 0000
Sample number:	2407297
Sample name:	3TACYLA
Sample description:	3TACYLA D202D-1 TACTILE PLUS SAFETY YELLOW WARNING DOTS 300X300mm. Attached photo of one tile, 

Test Date	**29/07/2024**	**Temperature (Laboratory)**	21.1°C
Tester:	**Minolta Chroma Meter CR-400 Tristimulus Colour Analyser**		
Test Specimen	**Location 1 Dry Yd**	**Location 2 Dry Yd**	**Mean Luminous Reflectance Dry (Yd)**
1	39.9	40.1	**40.1**
2	40.3	40.0	
3	39.9	39.6	
4	40.1	40.3	
5	40.6	40.6	
Each specimen cleaned with dry and light scrubbing prior to testing. LRV = Light Reflectance Value. Light source: D65, Aperture: 8mm-diameter. Observer angel: 2°.			

Test conducted according to AS 1428.1-2009 Appendix B Paragraph B3 Design for access and mobility Part 1: General requirements for access—New building work B3 MEASUREMENT OF LUMINANCE CONTRAST—LABORATORY. Results relate only to the items tested. Test location on the surface of each dot.

Test Location:	Ceramic Test Lab, 175 Racecourse Rd, Rutherford, NSW, 2320 Australia		
Test Officer	Hong Lu	**Report Officer**	Hong Lu Hong Lu

LRV Test Report on Measurement of Luminous Reflectance

F240010

Issue Date: 30/07/2024

Customer order number:	1087383
Requested by:	GNS Ceramics
Address:	3 Cox Place Glendenning NSW 2761
Contact number:	02 9851 0000
Sample number:	2407299
Sample name:	3TACGRA
Sample description:	D502D-1 TACTILE PLUS GRAPHITE WARNING DOTS 300X300mm. Attached photo of one tile, 

Test Date	**29/07/2024**	**Temperature (Laboratory)**	21.1°C
Tester:	**Minolta Chroma Meter CR-400 Tristimulus Colour Analyser**		
Test Specimen	**Location 1 Dry Yd**	**Location 2 Dry Yd**	**Mean Luminous Reflectance Dry (Yd)**
1	12.3	12.2	**12.2**
2	12.1	12.0	
3	11.9	12.1	
4	12.1	12.2	
5	12.2	12.4	
Each specimen cleaned with dry and light scrubbing prior to testing. LRV = Light Reflectance Value. Light source: D65, Aperture: 8mm-diameter. Observer angel: 2°.			

Test conducted according to AS 1428.1-2009 Appendix B Paragraph B3 Design for access and mobility Part 1: General requirements for access—New building work B3 MEASUREMENT OF LUMINANCE CONTRAST—LABORATORY. Results relate only to the items tested. Test location on the surface of each dot.

Test Location:	Ceramic Test Lab, 175 Racecourse Rd, Rutherford, NSW, 2320 Australia		
Test Officer	Hong Lu	**Report Officer**	Hong Lu Hong Lu