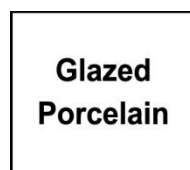


## Konkrit



The Konkrit series is an affordable collection of wall and floor tiles specially designed for whole house packages. Available in four neutral colours this range will be a perfect solution for any internal or external environment.

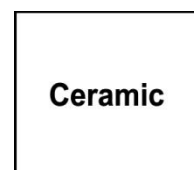
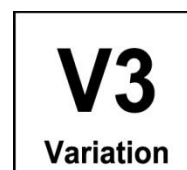
- **Colours** Beige, Dark Grey, Light Grey & White
- **Sizes** 300x300 cushioned matt floor  
300x600 rectified gloss wall  
450x450 cushioned matt, lappato & external floor (white not available in external)



Floor



External finish



Wall

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

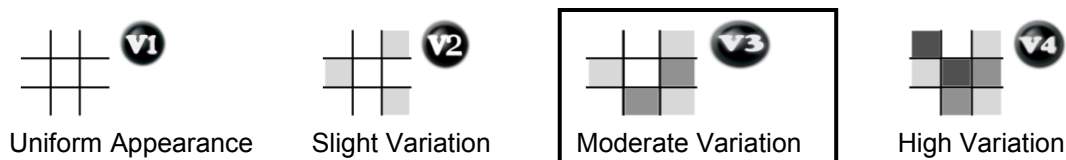
Ceramic tiles are only one component of a much larger building system. It is our experience that failure of any tiling system is very often the result of a combination of factors. For example; inappropriate design, type of substrate, surface preparation, temperature during installation, adhesives, incompatibility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



### 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 contaminants. 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 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 HB197:1999 and 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 0** - Tiles in this class are not recommended for use on floors.

**CLASS 4** - Floor coverings that are walked on by regular traffic with some scratching dirt so that conditions are more severe than CLASS 3; For example, entrances, laundries with external access, living areas, entertainment areas, patio's, sales rooms, motels.

# CERASIA INTERNATIONAL SDN BHD

Technical specification for Konkrit - Glazed Porcelain Digital Print

Type of Test	International Norm	International Standard (S>410cm2)	CA Typical Standard (Konkrit Floor Tile)
 <b>Water Absorption</b>	ISO 10545-3	Group Bla, E ≤ 0.5%	≤ 0.3%
 <b>Dimension</b>			
Length & Width	ISO 10545-2	±0.50%	± 0.25%
Thickness	ISO 10545-2	±5.00%	± 3.00%
Straightness of Sides	ISO 10545-2	±0.50%	± 0.25%
Rectangularity	ISO 10545-2	±0.50%	± 3.00%
<b>Flatness of Surface</b>			
Centre Curvature	ISO 10545-2	±0.50%	± 0.25%
Warpage	ISO 10545-2	±0.50%	± 0.25%
Edge Curvature	ISO 10545-2	±0.50%	± 0.25%
 <b>Co-efficient of Thermal Expansion</b>	ISO 10545-8	≤ 9X10 <sup>-6</sup> K <sup>-1</sup>	≤ 9X10 <sup>-6</sup> K <sup>-1</sup>
 <b>Thermal Shock</b>	ISO 10545-9	No Damage	* No Damage
 <b>Frost Resistance</b>	ISO 10545-12	No visible alteration to the surface	* No visible alteration to the surface
 <b>Resistance to Chemicals</b>	ISO 10545-13	Min. GB	GA
 <b>Resistance to Staining</b>	ISO 10545-14	Min.Class 3	Class 5
 <b>Slip Resistance (Wet Pendulum Test)</b>	AS/NZS 4586 (App. A)	P0 - P5	Matt : N/A; Anti-Slip : P5

Up-dated : 12/01/2017

## TEST REPORT

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No. 2-2, Jalan Metro Pudu 1,  
Fraser Business Park, Off Jalan Yew,  
55100 Kuala Lumpur.  
(Attn.: Ms. Syara)

OUR REF. : 1645/16  
DATE RECEIVED : 19/8/2016  
DATE TESTED : 22/8/2016 - 26/8/2016  
DATE REPORTED : 29/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
CODE : KONWH-L  
SERIES : KONKRIT SERIES  
FINISH : LAPPATO  
BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH MS ISO 10545  
PART 13 : DETERMINATION OF CHEMICAL RESISTANCE (2001)

### SUMMARY OF TEST RESULT

TEST METHOD	TYPE OF TEST	RESULT	MS ISO 13006 (2014) REQUIREMENTS ANNEX G
<b>MS ISO 10545-13</b>	<b>CHEMICAL RESISTANCE</b>		
	- Household chemicals: Ammonium Chloride, 100 g/L	Class GA	Min. GB
	- Swimming pool salts: Sodium Hypochlorite, 20 mg/L	Class GA	Min. GB
	- Low concentration acid: HCl, 3 % (v/v)	Class GLA	Manufacturer is to state classification
	Citric Acid, 100 g/L	Class GLA	Manufacturer is to state classification
	- Low concentration alkali: Potassium Hydroxide, 30 g/L	* Class GLB	Manufacturer is to state classification
	- High concentration acid: HCl, 18 % (v/v)	Class GHA	Test method available
	Lactic acid, 5 % v/v	* Class GHB	Test method available
	- High concentration alkali: Potassium Hydroxide, 100 g/L	* Class GHB	Test method available

#### Note :

\*Class GLB/GHB : Visible effect. The reflection is clear.

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SALINA ABD SAMAD

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1645-16(KONWH-L)-ISO 13

1/1

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OUR REF. : 1645/16  
DATE RECEIVED : 19/8/2016  
DATE TESTED : 23/8/2016 - 24/8/2016  
DATE REPORTED : 25/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
CODE : KONWH-L  
SERIES : KONKRIT SERIES  
FINISH : LAPPATO  
BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH MS ISO 10545  
PART 14 : DETERMINATION OF RESISTANCE TO STAINS (2001)

### SUMMARY OF TEST RESULT

TEST METHOD	TYPE OF TEST	RESULT	MS ISO 13006 (2014) REQUIREMENTS ANNEX G
MS ISO 10545-14	STAIN RESISTANCE - Stains having tracing action (Green Staining Agent)	Class 5	Min. Class 3
	- Stains having chemical /oxidizing action (Iodin in alcoholic solution)	Class 5	Min. Class 3
	- Stains having filming action (Olive oil)	Class 5	Min. Class 3

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55100 Kuala Lumpur.  
(Attn.: Ms. Syara)

OUR REF. : 1594/16  
DATE RECEIVED : 15/8/2016  
DATE TESTED : 16/8/2016  
DATE REPORTED : 17/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
CODE : KONWH-M  
SERIES : KONKRIT SERIES  
FINISH : MATT  
BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH AS 4586 (2013)  
Slip resistance classification of new pedestrian surface materials  
(Appendix A, Wet Pendulum Test Method)

### TEST RESULT :

TYPE OF TEST	RESULT
WET *SRV	26
Class	P2

Air Temperature : 24°C  
Slider Material Used : Slider 96  
Type of Test : Unfixed Specimen

### Classification Of Pedestrian Surface Materials According To The Wet Pendulum Test

Class	Pendulum *SRV
P5	> 54
P4	45 - 54
P3	35 - 44
P2	25 - 34
P1	12 - 24
P0	< 12

\* SRV - Slip Resistance Value

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1594-16(KONWH-M)-WET PTV

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 (Attn.: Ms. Syara)

OUR REF. : 1594/16  
 DATE RECEIVED : 15/8/2016  
 DATE TESTED : 15/8/2016 - 19/8/2016  
 DATE REPORTED : 22/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
 CODE : KONWH-M  
 SERIES : KONKRIT SERIES  
 FINISH : MATT  
 BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH MS ISO 10545  
 PART 13 : DETERMINATION OF CHEMICAL RESISTANCE (2001)

### SUMMARY OF TEST RESULT

TEST METHOD	TYPE OF TEST	RESULT	MS ISO 13006 (2014) REQUIREMENTS ANNEX G
MS ISO 10545-13	<b>CHEMICAL RESISTANCE</b>		
	- Household chemicals: Ammonium Chloride, 100 g/L	Class GA (V)	Min. GB
	- Swimming pool salts: Sodium Hypochlorite, 20 mg/L	Class GA (V)	Min. GB
	- Low concentration acid: HCl, 3 % (v/v)	Class GLA (V)	Manufacturer is to state classification
	Citric Acid, 100 g/L	Class GLA (V)	Manufacturer is to state classification
	- Low concentration alkali: Potassium Hydroxide, 30 g/L	Class GLA (V)	Manufacturer is to state classification
	- High concentration acid: HCl, 18 % (v/v)	Class GHA (V)	Test method available
	Lactic acid, 5 % v/v	Class GHA (V)	Test method available
	- High concentration alkali: Potassium Hydroxide, 100 g/L	Class GHA (V)	Test method available

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OUR REF. : 1594/16  
DATE RECEIVED : 15/8/2016  
DATE TESTED : 16/8/2016 - 17/8/2016  
DATE REPORTED : 22/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
CODE : KONWH-M  
SERIES : KONKRIT SERIES  
FINISH : MATT  
BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH MS ISO 10545  
PART 14 : DETERMINATION OF RESISTANCE TO STAINS (2001)

### SUMMARY OF TEST RESULT

TEST METHOD	TYPE OF TEST	RESULT	MS ISO 13006 (2014) REQUIREMENTS ANNEX G
MS ISO 10545-14	STAIN RESISTANCE - Stains having tracing action (Green Staining Agent)	Class 5	Min. Class 3
	- Stains having chemical /oxidizing action (Iodin in alcoholic solution)	Class 5	Min. Class 3
	- Stains having filming action (Olive oil)	Class 5	Min. Class 3

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OUR REF. : 1595/16  
DATE RECEIVED : 15/8/2016  
DATE TESTED : 16/8/2016  
DATE REPORTED : 17/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
CODE : KONWH-X  
SERIES : KONKRIT SERIES  
FINISH : ANTI-SLIP  
BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH AS 4586 (2013)  
Slip resistance classification of new pedestrian surface materials  
(Appendix A, Wet Pendulum Test Method)

### TEST RESULT :

TYPE OF TEST	RESULT
WET *SRV	73
Class	P5

Air Temperature : 24°C  
Slider Material Used : Slider 96  
Type of Test : Unfixed Specimen

### Classification Of Pedestrian Surface Materials According To The Wet Pendulum Test

Class	Pendulum *SRV
P5	> 54
P4	45 - 54
P3	35 - 44
P2	25 - 34
P1	12 - 24
P0	< 12

\* SRV - Slip Resistance Value

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1595-16(KONWH-X)-WET PTV

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OUR REF. : 1595/16  
DATE RECEIVED : 15/8/2016  
DATE TESTED : 15/8/2016 - 19/8/2016  
DATE REPORTED : 22/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
CODE : KONWH-X  
SERIES : KONKRIT SERIES  
FINISH : ANTI-SLIP  
BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH MS ISO 10545  
PART 13 : DETERMINATION OF CHEMICAL RESISTANCE (2001)

### SUMMARY OF TEST RESULT

TEST METHOD	TYPE OF TEST	RESULT	MS ISO 13006 (2014) REQUIREMENTS ANNEX G
MS ISO 10545-13	<b>CHEMICAL RESISTANCE</b>		
	- Household chemicals: Ammonium Chloride, 100 g/L	Class GA (V)	Min. GB
	- Swimming pool salts: Sodium Hypochlorite, 20 mg/L	Class GA (V)	Min. GB
	- Low concentration acid: HCl, 3 % (v/v)	Class GLA (V)	Manufacturer is to state classification
	Citric Acid, 100 g/L	Class GLA (V)	Manufacturer is to state classification
	- Low concentration alkali: Potassium Hydroxide, 30 g/L	Class GLA (V)	Manufacturer is to state classification
	- High concentration acid: HCl, 18 % (v/v)	Class GHA (V)	Test method available
	Lactic acid, 5 % v/v	Class GHA (V)	Test method available
	- High concentration alkali: Potassium Hydroxide, 100 g/L	Class GHA (V)	Test method available

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OUR REF. : 1595/16  
DATE RECEIVED : 15/8/2016  
DATE TESTED : 16/8/2016 - 17/8/2016  
DATE REPORTED : 22/8/2016

SAMPLE ID : 45 x 45 cm PORCELAIN TILE  
CODE : KONWH-X  
SERIES : KONKRIT SERIES  
FINISH : ANTI-SLIP  
BRAND : CERASIA (CHINA)

SUBJECT : TESTING IN ACCORDANCE WITH MS ISO 10545  
PART 14 : DETERMINATION OF RESISTANCE TO STAINS (2001)

### SUMMARY OF TEST RESULT

TEST METHOD	TYPE OF TEST	RESULT	MS ISO 13006 (2014) REQUIREMENTS ANNEX G
MS ISO 10545-14	STAIN RESISTANCE - Stains having tracing action (Green Staining Agent)	Class 5	Min. Class 3
	- Stains having chemical /oxidizing action (Iodin in alcoholic solution)	Class 5	Min. Class 3
	- Stains having filming action (Olive oil)	Class 5	Min. Class 3

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