

GNS CERAMICS
EXCLUSIVELY WHOLESALE

Konkrit

The Konkrit series is an affordable collection of 450x450 mm floor tiles available in three different finishes, specially designed to provide a smooth transition throughout your house.

Konkrit

White



Beige



Light Grey



450x450 mm

- Matt
- Lappato
- External

(White not available in External)

Glazed Porcelain

Cushioned Edge

V3 Variation

Floor Cat. 4

P5 External

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

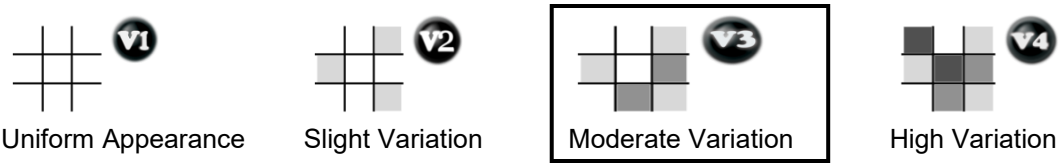
Ceramic tiles are only one component of a much larger building system. It is our experience that failure of any tiling system is very often the result of a combination of factors. For example; inappropriate design, type of substrate, surface preparation, temperature during installation, adhesives, incompatibility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



Uniform Appearance | Slight Variation | Moderate Variation | High Variation

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 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 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.

Australia's Tile Manufacturer

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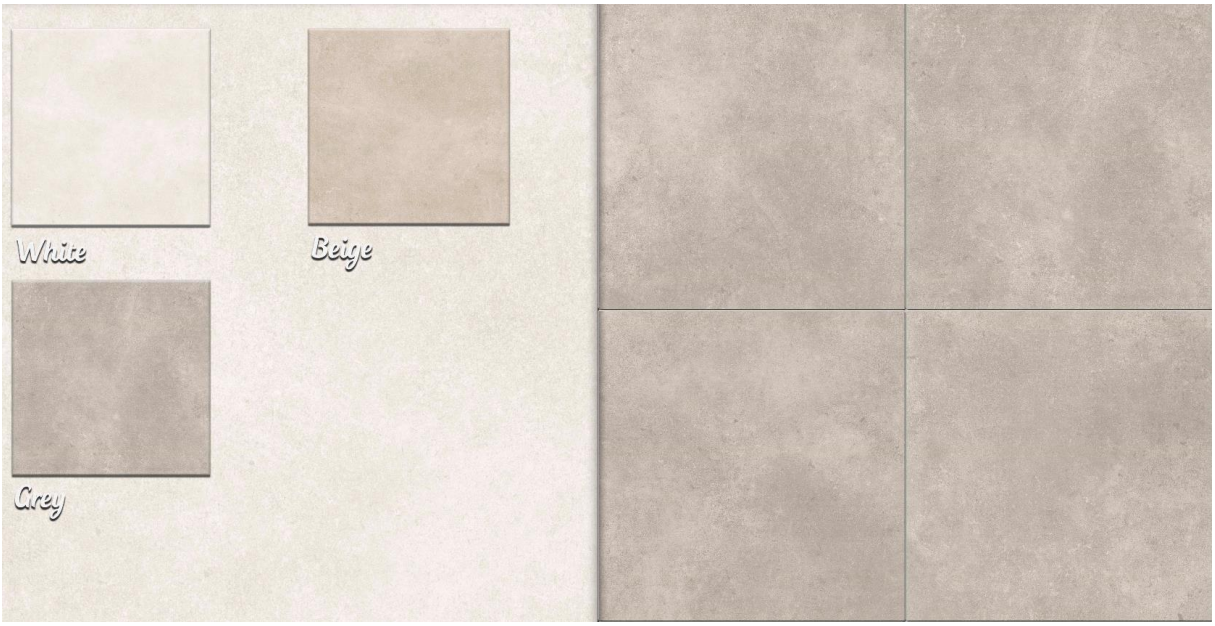
NCIA Specification Sheet

Konkrit Range

NCIA Product Code	Description	Nominal Size and Thickness (mm)	Nominal Thickness (mm)	Pendulum (slip) Rating	PEI Rating
ZKO1045A	Konkrit White 450*450	450*450	7.5	P2	4
ZKO1545A	Konkrit White 450*450 P5 External	450*450	7.5	P5	4
ZKO2045A	Konkrit Light Grey 450*450	450*450	7.5	P2	4
ZKO2545A	Konkrit Light Grey 450*450 External	450*450	7.5	P5	4
ZKO4145A	Konkrit Beige 450*450	450*450	7.5	P2	4
ZKO4645A	Konkrit Beige 450*450 External	450*450	7.5	P5	4
ZKO21045A	Konkrit White 450*450 Lappato	450*450	7.5	P0-P1	3
ZKO22045A	Konkrit Light Grey 450*450 Lappato	450*450	7.5	P0-P1	3
ZKO24145a	Konkrit Beige 450*450 Lappato	450*450	7.5	P0-P1	3

Product Specific Information

Screen Size	1500*1000mm
Variation Rating	V2 – Slight Variation (similar colour tones)
Print Mode	Tiling 6 450*450 Faces



Product Specifications

NCIA products conform to Group B1b. NCIA tiles meet and exceed requirements under AU ISO 13006-2013.

Category	NCIA Standards	International/Australian Standards
Length and Width	+- 0.5mm(difference from work size)	+-2.0mm (difference from work size)
Thickness	+- 0.5mm(difference from work size)	+- 0.5mm(difference from work size)
Centre Curvature	+- 0.5mm(difference from work size)	+-2.0mm (difference from work size)
Straightness of Edge	+- 0.5mm(difference from work size)	+-2.0mm (difference from work size)
Edge Curvature	+- 0.5mm(difference from work size)	+-2.0mm (difference from work size)
Rectangularity	+- 0.5mm(difference from work size)	+-2.0mm (difference from work size)
Resistance to Surface Abrasion	Minimum PEI 3	
Stain Resistance	Minimum Class 4	Minimum Class 3
Resistance to Chemicals	Class A	
Water Absorption	Less than 3%	
Resistance to Crazing	No Crazing	
Resistance to Frost	Resistant	
Resistance to Fire	Non-Flammable	
Gaseous Emissions when Exposed to Fire	No Emission	
VOC Emissions	No Emission	
Fading in UV/Sunlight	Color Permanence	
Moisture Expansion	Less than 0.01%	Less than 0.06%
Modulus of Rupture (N/mm2)	Minimum 30N/mm^2	Minimum 30N/mm^2
Surface Quality	Minimum 98% Defect Free	Minimum 95% Defect Free

Work Size	Nominal Thickness
300*300	6.3mm
450*450	7.5mm
500*500	8mm
300*600	8.5mm
600*600	9mm

Chemical Composition (Average)	%
Na_2O	2.76
K_2O	3.95
MgO	0.69
CaO	0.58
Mn_3O_4	0.08
Al_2O_3	18.30
Fe_2O_3	1.40
SiO_2	70.00
- (Crystalline Silica)	- (15-25%)
TiO_2	0.66
P_2O_5	0.06
SO_3	<0.01
LOI	1.70

Product Warranty	Term
Domestic Use	10 years
Commercial Use	7 years

Other	Reference
Operating in NSW under Environment Protection License	11956
MSDS	www.ncia.com.au
Cleaning/maintenance recommendation	www.ncia.com.au
Contact	sales@ncia.com.au
Raw materials	Sourced from NSW & Victoria
Employment	60 staff
Current Production Capacity	7million m2 per annum

AUSTRALIAN MADE

SlipCheck
CREATING SAFE ENVIRONMENTS
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18 February 2020

Test Report No. R20306-2b

Slip Resistance Classification of New Pedestrian Surface Materials

AS 4586-2013 Appendix A (Wet Pendulum Test)

The slip resistance classification has been determined for unused surfaces using specific conditions. Factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface after classification. Standards Australia Handbook 198:2014 *Guide to the specification and testing of slip resistance of pedestrian surfaces* provides guidance for the selection of slip resistant pedestrian surfaces classified in accordance with AS 4586-2013. It is recommended that this test report be read in conjunction with AS 4586 and HB 198.

Requested by:	NCIA
Client Address:	175 Racecourse Road Rutherford NSW 2320
Product Manufacturer:	NCIA
Product Description:	NCIA Matt
Test conducted according to:	AS 4586:2013 Appendix A
Location:	4/40 Bessemer Street, Blacktown NSW 2148
Conducted by:	Yuliana Vargolomova

Date:	31 January 2020	Temperature:	28-29°C
Sample:	Unfixed	Cleaning:	None
Rubber slider used:	Slider 96	Conditioned:	Grade P 400 paper dry followed by wet lapping film
Slope of specimen:	Tested on a flat level surface		
Direction of Test:	NA		

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
Mean BPN of last 3 swings:	26	30	29	34	28

Reported SRV of Sample:	**29**
Class:	**P2**

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NATA
ACCREDITED FOR TECHNICAL COMPETENCE

18 February 2020

Test Report No. R20306-2h

Slip Resistance Classification of New Pedestrian Surface Materials

AS 4586-2013 Appendix A (Wet Pendulum Test)

The slip resistance classification has been determined for unused surfaces using specific conditions. Factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface after classification. Standards Australia Handbook 198:2014 *Guide to the specification and testing of slip resistance of pedestrian surfaces* provides guidance for the selection of slip resistant pedestrian surfaces classified in accordance with AS 4586-2013. It is recommended that this test report be read in conjunction with AS 4586 and HB 198.

Requested by:	National Ceramic Industries Australia
Client Address:	175 Racecourse Road Rutherford NSW 2320
Product Manufacturer:	NCIA
Product Description:	NCIA External
Test conducted according to:	AS 4586:2013 Appendix A
Location:	4/40 Bessemer Street, Blacktown NSW 2148
Conducted by:	Brooke Wright

Date:	05 February 2020	Temperature:	26°C
Sample:	Unfixed	Cleaning:	None
Rubber slider used:	Slider 96	Conditioned:	Grade P 400 paper dry followed by wet lapping film
Slope of specimen:	Tested on a flat level surface		
Direction of Test:	NA		

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5
Mean BPN of last 3 swings:	58	60	58	62	60

Reported SRV of Sample:	**60**
Class:	**P5**

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